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CM nucleic - nucleic search, using sw model

Run on: January 31, 2004, 13:36:50 ; Search time 95 Seconds

(without alignments)
6328.040 Million cell updates/sec

Title: US-10-084-406-1

Perfect score: 1362

Sequence: 1 atgaagatatccaatgta.....atctaccaccatcatga 1362

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents_NA.*

- 1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	191.8	14.1	2128	3	US-09-233-506-1
2	185.2	13.6	1807	1	US-08-118-906-13
3	185.2	13.6	1807	1	US-08-486-196-13
4	185.2	13.6	1807	1	US-08-488-135-13
5	185.2	13.6	1807	2	US-08-474-085-13
6	172	12.6	2105	1	US-07-955-041-3
7	172	12.6	2105	1	US-08-227-455-3
8	172	12.6	2105	1	US-08-472-482-3
9	172	12.6	2105	1	US-08-487-069-3
10	160.8	11.8	2102	3	US-09-063-237-3
11	121.2	8.9	378	1	US-08-118-906-1
12	121.2	8.9	378	1	US-08-486-196-1
13	121.2	8.9	378	1	US-08-488-135-1
14	121.2	8.9	378	2	US-08-474-065-1
15	92.2	6.8	378	1	US-08-118-906-3
16	92.2	6.8	378	1	US-08-486-196-3
17	92.2	6.8	378	1	US-08-488-135-3
18	92.2	6.8	378	2	US-08-474-085-3
19	80.8	5.9	997	4	US-09-148-476-307
20	53.4	3.9	192	3	US-09-233-506-9
21	49.4	3.6	777	4	US-09-149-476-181
22	46.2	3.4	6171	4	US-08-961-527-37
23	42	3.1	99	1	US-08-118-906-5
24	42	3.1	99	1	US-08-486-196-5
25	42	3.1	99	1	US-08-488-135-5
26	42	3.1	99	2	US-08-474-065-5
27	40.6	3.0	7430	4	US-08-976-259-64

C	28	37.2	2.7	7218	1	US-08-232-463-14	Sequence 14, Appli
	29	35.2	2.6	99	1	US-08-118-908-7	Sequence 7, Appli
	30	35.2	2.6	99	1	US-08-486-196-7	Sequence 7, Appli
	31	35.2	2.6	99	1	US-08-488-135-7	Sequence 7, Appli
	32	35.2	2.6	99	2	US-08-474-065-7	Sequence 7, Appli
C	33	35	2.6	1437	4	US-09-137-223A-4	Sequence 4, Appli
C	34	35	2.6	1664976	4	US-08-916-421B-1	Sequence 1, Appli
	35	34.4	2.5	8494	4	US-08-961-527-163	Sequence 163, Appli
	36	34.2	2.5	3822	3	US-08-675-566-8	Sequence 8, Appli
	37	34.2	2.5	3861	3	US-08-675-566-11	Sequence 11, Appli
	38	34.2	2.5	3888	3	US-08-675-566-12	Sequence 12, Appli
	39	34.2	2.5	3955	3	US-08-675-566-10	Sequence 10, Appli
	40	34.2	2.5	4009	3	US-08-675-566-9	Sequence 9, Appli
	41	34.2	2.5	4503	3	US-08-675-566-7	Sequence 7, Appli
	42	34.2	2.5	7379	3	US-08-675-566-13	Sequence 13, Appli
	43	34	2.5	1928	3	US-08-675-816-4	Sequence 4, Appli
C	44	33.8	2.5	5241	4	US-08-809-513A-1	Sequence 1, Appli
C	45	33.8	2.5	5241	4	US-08-809-513A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-233-506-1
; Sequence 1, Application US/09233506
; Patent No. 6136580

GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru
APPLICANT: Yeh, Jiumn-Chern
TITLE OF INVENTION: A Beta-1-6-N-Acetylglucosaminyltransferase That Forms
FILE REFERENCE: P-LJ 3415
CURRENT APPLICATION NUMBER: US/09/233,506
CURRENT FILING DATE: 1999-01-19
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1

LENGTH: 2128

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (354)..(1670)

US-09-233-506-1

Query Match	14.1%;	Score 191.8;	DB 3;	Length 2128;
Best Local Similarity	52.5%;	Pred. No. 1.1e-42;		
Matches	517;	Conservative	0;	Mismatches 432; Indels 36; Gaps 3;
QY	317	TCACGAGTGTGACATTTATCAGACTCTAGAGGTTATGCTCAAAAGCTTGCTCAA	376	
DB	670	TCACGAGACTGTGACACTTCAAGGCTGAAGGAGTTATACAGTCCCACTGAGCA	729	
QY	377	AGGAGGAGAAAGCTTCCCAATAGCCCTATTCTTTGGTGTGCCAAGATGCAATTATGG	436	
DB	730	AAGAAGAGTGGAGTTCCTTATTCATCTCTATGTTGATTCATGAGAGATTGAAACT	789	
QY	437	TGAAGGCTTATCCATGCTATATACACAGACACATATTTACTGCATCCATTATGATC	496	
DB	790	TGAAGGCTTATCCGAGCTGTGTATGCCCTCCAGAACATATATCTGTCCATGTGATG	849	
QY	497	GTAAGGACCTGTATACCTTCAAAAGTTGCCATGAACAAATTTAGCTAGTGTCTTCCAATA	556	
DB	850	AGAAGTCCCAAGAACTTCAAGAGGCGGTCAAGCAATTTCTTCTTCCCAATG	909	
QY	557	TTTTCATTGCTTCCAAATTAGAGCTGTGAATATGCCACATTTCCAGACTCCAGGCTG	616	
DB	910	TCATTATAGCAGTAAGCTGTTCGGGTGTTTATGCTCTCTGCTCCAGGTCAGGCTG	969	
QY	617	ATTTAAATGCTTGTCCGACCTTCTGAAGTCTTCAATCCAGTGGAAATATGTTATCAACT	676	
DB	970	ACCTCACTGATGAGAGACTTGTCTCCAGAGCTCAGTCCGCTGGAATATCTTCTCTGAATA	1029	

QY 677 TGTGTGGGCAAGATTTTCCCTCAAGTCAAAATTTTGAATTTGGTGTCTCAGAGTTGAAAAAC 736
Db 1030 CATGTGGGACGACTTTCTATAAAGAGCAATGCAGAGATGGTCCAGGCTCTCAAGATGT 1089
QY 737 TCAATGGAGCAATATGTTGGAGAGCGGTGAACCCCAACAGTAAATTTGGAAGATTCA 796
Db 1090 TGAATGGGAGGATAGCATGGAGTCAAGAGTACCTCCCTAAGCACAAGAAACCCGCTGGA 1149
QY 797 CTTTACCATCATGAACCTTAGACGGGTGCCTTATGAATATGTGAAGCTACCAATAAGGACAA 856
Db 1150 AATATCACCTTTGAGGTAGTGAGAGACACATTACAC-----CTAACCA 1191
QY 857 ACATCTCCAGAGACACCCCCCAATACATTCAGATATTTTGGGAGTGTCTTATTTG 916
Db 1192 ACAAGAAGAGGATCTCCCTCCCTTAAATTTAACTATGTTTACAGGGAATCGTACATTG 1251
QY 917 TTTTAAAGTCAAGCATTTGTTTAAATATATTTTCAACAACTCCCATCGTTCAAGACCTTTTGTG 976
Db 1252 TGGCTTCCCGAGATTTTCGTCACATGTTTGAAGAACCCCTAAATCCCAACACTGATTG 1311
QY 977 CTGTGCTTAAAGACACATCTCTCTGTATGAGACCTTTTGGGCTACCTTGTATCGGGTTC 1036
Db 1312 AATGGGTAAAGACACTTATAGCCAGATGAACACTCTGGGCGCACCCCTTCAGGGTGCAC 1371
QY 1037 CAGSATACTCGGGAGATTTCCAGATCAGCCAGGATG---TGCTGATCTGCAGAGTA 1093
Db 1372 GGTGGATGCTGCTCTGTTTCCACCACCCCAAGTACGACATCTCAGACATGACTTCTA 1431
QY 1094 AGACTCGCTTGTCAAGTGAATTAATGAAGGCTTTTCTATCCCACT----- 1143
Db 1432 TTGCCAGGCTGTCAAGTGGCGGCTATGAGGAGACATCGATAAGGGTCTCCTTATG 1491
QY 1144 -----TGTACTGATCTCACTTCCAGGCTGTGATTTATGGAGCTCAGAAATTAAGT 1198
Db 1492 CTCCCTGCTTGAATCCACGAGGCTATCTGGTTTATGGGCTGGGACTTGTAT 1551
QY 1199 GGCTTATCAAGATGACATTTGTTTGTCTAATAAATTTGATTTCAAGTGGACCTATCT 1258
Db 1552 GGATGCTTCAAAACCATCACTGTTGGCCAAACAAGTTTGACCCAAAGGTAGATGATA 1611
QY 1259 TGATTAATGCTTGGCAGAAAGCT 1283
Db 1612 CTCTTCAGTCTTAGAAGAACTCT 1636

RESULT 2
US-08-118-906-13
Sequence 13, Application US/08118906
Patent No. 5484590
GENERAL INFORMATION:
APPLICANT: Fukuda, Minoru
APPLICANT: Bierhuizen, Marti F.A.
TITLE OF INVENTION: Expression of the Developmental I
TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
TITLE OF INVENTION: Beta 1,6-N-Acetylglucosaminyltransferase Gene Family
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,906
FILING DATE: 09-SEP-1993
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9526
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1807 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 255..1454
US-08-118-906-13
Query Match 13.6%; Score 185.2; DB 1; Length 1807;
Best Local Similarity 52.1%; Pred. No. 6.4e-41;
Matches 502; Conservative 0; Mismatches 438; Indels 24; Gaps 3;
QY 327 TTGTGACATTTATCAGACTCTAAGAGGTTATGCTCAAAAGCTTGTCTCAAGAGAGAGAA 386
Db 467 TTGCAAGGAATACTTGGACCCAGAGCCACTACATCAGAGCCCTTTATCTAAGGAAGAAGC 526
QY 387 AAGCTTCCCAATAGCTTATCTTTGGTTGTCCCAAGAGATGCAATATGTTGAAAAGGCT 446
Db 527 TGACTTTCCCTTGGCATATATAATGGTCATCCATCATCTTTGACACCTTTGCAAGGCT 586
QY 447 TATCATGCTATATACAAACAGCAATATTTACTGATCCATATGATGATGATGATGATGATG 506
Db 587 CTTGAGGCTATTTACATGCCCCCAAAATATCTACTGTGTTCTATGATGATGATGATGATG 646
QY 507 TGATACCTTCAAGTGGCATGACATTTAGCTTCTTCCAAATATTTTCAATGCT 566
Db 647 AACTGAATTTAAAGTGGGTAGAGCAACTATTAGCTGTTTCCAAACGCTTTCTGSC 706
QY 567 TTCCAAATTAGAGGCTGTGGAAATATGCCCACTTCCAGACTCCAGGCTGATTAATG 626
Db 707 TTCCAAGATGAAACCCGTTGTCTATGGAGGATCTCCAGGCTCCAGGCTGACCTGAAGT 766
QY 627 CTTGTGGACCTTCTGAAGTCTTCAATCCAGTGGAAATATGTTATCAACTTGTGTGGCA 686
Db 767 CATCAGAGATCTTCTGCTTCGAGGCTCTCANGAAGTACGTTATCAACACCTGTGGCA 826
QY 687 AGATTTTCCCTGAACTCAAAATTTTGAATTTGGTGTCTCAGAGTTGAAAAAACTCAATGAGC 746
Db 827 AGACTTCCCTGAAACCAACCAAGGAATAGTTTCAGTATCTGAAAGGATTTAAAGGTA 886
QY 747 AATATGTTGGAGAGGTTGAACCCCAACAGTAATTTGGAAGATTCCTTACCATCA 806
Db 887 AATATATCCCCCGGGGTGTGCCCCCAGCTCATGCAATTTGGAGCGGCTAATATGTCCA 946
QY 807 TCACTTAGAGGGTGCCTTATGAATATGTGAAGCTTACCAATAGGAGCAACATCTCCAA 866
Db 947 CCAAGACACTTGGCA-----AAGAGCTTCTCTATGATGAAGCAACAGCTTGAA 1000
QY 867 GGAAGACCCCCCAACATTCAGATATTTTGGGAGGCTTATTTGTTTGAAGTCA 926
Db 1001 ACCGCTCTCCCCCATATCTCACAATTTTCTTGGCTCTGCCCTATGTGCTCTATCAAG 1060
QY 927 AGCATTTGTTAAATATATTTTCAACACTCCATCGTTTCAAGACTTTTTCCTGCTGTAA 986
Db 1061 AGAGTTTGCCAACTTTGTTCTGATGATGCCACCGGCTGTTGATTTGCTCCAGTGGTCCA 1120
QY 987 AGACACATCTCTCTGATGAGCACTTTTGGGCTACTTGTGTTGGGTTCCAGAAATACC 1046
Db 1121 GGACACTTTCAGTCTGATGAGCACTTTCTGGGTGACACTCAATAGGATTCAGGTTCTCC 1180
QY 1047 TGGGGAGATTTCCAGATCAGCCAGGATGTGTCTGATCTGCAGAGTAAAGCTGCTGTTGT 1106

Db 1181 TGGCTCTATGCAATGCATCCTGCACTG-----GAAACCTCAGACTAT 1225
QY 1107 CAAGTGAATTAATGAGGCTTTTCTATCCAGTTGTACTGATCTCAGCTTCGAAG 1166
Db 1226 AAAGTGGAGTGACATGGAAGACAGACACGAGGC---TGCCACGGCCACTATGTACATGG 1282
QY 1167 COTGTGATTTATGAGCTGCAGAAATTAAGTGGCTTATCAAAAGATGGACATTTGGTTTCG 1226
Db 1283 TATTGTATCTATGGAACGGAGACTTAAGTGGCTGTGTTAATTCACAGCCTGTTTCG 1342
QY 1227 TAATAAATTTGATCTAAGTGGACCTATCTTGAATTAAGTGTGGCAGAAAGCTTGA 1286
Db 1343 TAACAAGTTTGAGCTTAATACCTACCCCTTACTGTGGAATGCTAGAACTGAGGCATCG 1402
QY 1287 AGAA 1290
Db 1403 CGAA 1406

RESULT 3
US-08-486-196-13
; Sequence 13, Application US/08486196
; Patent No. 5731420
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,196
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1807 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 255..1454
; US-08-486-196-13

Query Match 13.6%; Score 185.2; DB 1; Length 1807;
Best Local Similarity 52.1%; Pred. No. 6.4e-41;
Matches 502; Conservative 0; Mismatches 438; Indels 24; Gaps 3;
QY 327 TTGTGACATTTATCAGACTCTTAAGAGGTTATGCTCAAAAGCTTGTCTCAAAAGGAGGAA 386

Db 467 TTGCAGGAATATCTTGACCCAGAGCCACTATCATCAGCCCCCTTTATCTAAGGAAGACC 526
QY 387 AAGCTTCCCAATAGCCTATCTCTTTGGTTGTCTCACAAGATGCAATATATGTTTGAAGGCT 446
Db 527 TGACTTTCCCTTGGCATATATAATGCTCATCCATCATCTTTGACACCTTTGCAAGGCT 586
QY 447 TATCCATGCTATATACAACAGCAGCAATATTTACTGCTATTCATGATTCGTAAGGCAACC 506
Db 587 CTTGAGGCTATTTATATGCCCCCAAAATATCTATCTGTGTTGATGGATGAAGAAAGCAAC 646
QY 507 TGATACCTTCAAAAGTTGCCATGAACAAATTTAGCTAAGTGTCTCTCAATATTTTCAATGCG 566
Db 647 AACTGAATTTAAAGATGCGGTAGAGCAACTATTAAGCTGCTTCCCAAAAGCGCTTTCTGCG 706
QY 567 TTCCAAATTAGAGGCTGTGGAATATGCCACATTTCCAGACTCCAGGCTGATTTAAATG 626
Db 707 TTCCAAGATGAACCCGTTGTCTATGAGGGATCTCCAGGCTCCAGGCTGACCTGAATG 766
QY 627 CTTGTGCGACCTTCTGAAGTCTTCAATCCAGTGGAAATATGTTATCAACTTGTGCGGCA 686
Db 767 CATCAGAGATCTTTCTGCTTTCGAGGTCTCATGGAAGTACGTTATCAACACCTGTGGGCA 826
QY 687 AGATTTCCCTCGAAGTCAAAATTTTGAATTTGTTGTCAGAGTTGAAAGAACTCAATGGAGC 746
Db 827 AGACTTCCCTCGAAGTCAAAATTTTGAATTTGTTGTCAGAGTTGAAAGAACTCAATGGAGTAA 886
QY 747 AAATATGTTGAGACGGTGAACCCCAACAGTAAATTTGGAAGATTCACATTACCATCA 806
Db 887 AAATATCACCACGGGGTGTGCCCCCAGCTCATGCAATTTGACGGACTAAATATGTCCA 946
QY 807 TGAACCTAGACGGGTGCTTATGAATATGTTGAAGCTACCAATGAAGCAAAACATCTCCA 866
Db 947 CCAAGAGCACCTGGGCA-----AAGAGCTTCTTATGTGATAAGAAACAACAGCGTTGAA 1000
QY 867 GGAAGCACCCCCCATAAACATTTGTTGGCAGTGTCTATTTTGGTTTAAAGTCA 926
Db 1001 ACCGCTCCCCCCCCATATCTCAATTTTGGCTCTGCTATGCTCTATCAAG 1060
QY 927 AGCATTTGTTAAATATATTTTCAACAACTCCATCGTTCAAGACTTTTTCGCTGCTGTAA 986
Db 1061 AGAGTTTGCACAACTTTGTTCTGATGACCCACGCGGTGTTGATTTGCTCCAGTGTGCCAA 1120
QY 987 AGACACATCTCTCTGATGAGCACATTTTGGGCTACCTTGTTCGGTTTCCAGGAATACC 1046
Db 1121 GGACACTTTCAGTCTCTGATGAGCATTTCTGGGTGACACTCAATAGATTCCAGGTGTTCC 1180
QY 1047 TGGGGAGATTTCCAGATTCAGCCCGAGGATGTCTGATCTGCAGAGTAAGACTCGCCTTGT 1106
Db 1181 TGGCTCTATGCCAAATGCATCTCTGGACTG-----GAAACCTCAGAGCTAT 1225
QY 1107 CAAGTGAATTAATGAGGCTTTTCTATCCAGTTGTACTGGATCTCACCTTCGAG 1166
Db 1226 AAAGTGGAGTGACATGGAAGACAGACACGAGGC---TGCCACGGCCACTATGTACATGG 1282
QY 1167 COTGTGATTTATGAGAGCTGCAGAAATTAAGTGGCTTATCAAAAGATGGACATTTGGTTTCG 1226
Db 1283 TATTGTATCTATGGAACCGAGACTTAAGTGGCTGTTAATTCACCAAGCCTGTTTTCG 1342
QY 1227 TAATAAATTTGATTTAAGTGGACCTTATCTTGAATTAATGCTTGGCAGAAAGCTTGA 1286
Db 1343 TAACAAGTTTGAGCTTAATACCTACCCCTTACTGTGGAATGCTAGAACTGAGGCATCG 1402
QY 1287 AGAA 1290
Db 1403 CGAA 1406

RESULT 4
US-08-488-135-13
; Sequence 13, Application US/08488135
; Patent No. 5766910
; GENERAL INFORMATION:

APPLICANT: Fukuda, Minoru
APPLICANT: Bierhuizen, Marti F.A.
TITLE OF INVENTION: Expression of the Developmental I
TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,135
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/118,906
FILING DATE: 09-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9526
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1807 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 255..1454
US-08-488-135-13

Query Match 13.6%; Score 185.2; DB 1; Length 1807;
Best Local Similarity 52.1%; Pred. No. 6.4e-41;
Matches 502; Conservative 0; Mismatches 438; Indels 24; Gaps 3;

Qy 327 TTGTGACATTTATCAGACTAAGAGGTTATGCTCAAAAGCTTGCTCAAAAGGAGGAGAA 386
Db 467 TTGCAAGGAATCTTGACCCAGAGCCACTACATCAGAGCCCTTTATCTAAGGAAGAGC 526
Qy 387 AAGCTTCCCAATAGCTATCTTTGGTTGCTCCAAAGATGAATATGGTTGAAGGCT 446
Db 527 TGACTTTCCCTGGCATATATAATGCTATCCATCATCTTTGACACCTTTTGAAGGCT 586
Qy 447 TATCCATGCTATATACACAGCAGACATATTTACTGTCATATGATGCTAAGGAGCACC 506
Db 587 CTTGAGGCTATTTATGATGCTCCCAAAATATCTATGTTGTAAGGATGAAGAGCAAC 646
Qy 507 TGATACCTTCAAAAGTTGCCATGACAAATTTAGCTAAGTCTTCTCCAAATATTTTCATG 566
Db 647 AACTGAATTTAAAGATGCGGTAGAGCAACTAATTAAGTCTTCCCAAGCGCTTTCTGGC 706
Qy 567 TTCCAAATGAGGCTGTGAATATGCCACATTTCCAGACTCCAGGCTGATTAATG 626
Db 707 TTCCAGATGGAACCGGTTGCTATGAGGAGGATCTCCAGGCTCCAGGCTGACCTGAAC 766
Qy 627 CTTGCTCGGACTTCTGAAGTCTTCAATCCAGTGAATATGTTATCAACTTTGTGGGCA 686
Db 767 CATCAGAGATCTTCTGCTTCCAGGCTCTCATGGAAGTACGTTATCAACACCTGTGGCA 826
Qy 687 AGATTTCCCTGAGTCAAAATTTTGAATTTGGTGTGAGAGTTGAAAGAACTCAATGGAGC 746

Db 827 AGATTTCCCTGAAAACCAACAGGAATAGTTAGTATCTGAAGAGGATTTAAAGGTAA 886
Qy 747 AAATATGTTGGAGCGGTGAACCCCAACAGTAAATTTGGAAAGATTCACTTACATCA 806
Db 887 AAATATCACCACCGGGGTGCTGCCCCAGCTCATGCAATTTGGACGACTAAATATGTCCA 946
Qy 807 TGAACCTTAGACGGGTGCTTATGAATATGTGAAGCTPACCAATAAGACAAACATCTCCAA 866
Db 947 CCAAGACACCTGGCA-----AAGAGCTTCCATGTGTAAGACACAGCGTTGAA 1000
Qy 867 GGAAGCACCCCCCATATAACATTGAGATATTTGTGGCAGTCTTATTTTGTGTTAAGTCA 926
Db 1001 ACCGCTTCCGCCCATAAATCTCAAAATTTACITTTGGCTCTGCTTATGTGGCTCTATCAAG 1060
Qy 927 AGCATTTGTTAAATATATTTTCAACAACTCCATCGTTCAAGACITTTTGTGCTGCTTAA 986
Db 1061 AGATTTTGGCAACTTTGTTCTGATGACCAACCGGCTGTTGATTTGCTCCAGTGGTCCAA 1120
Qy 987 AGACACATCTCTCTGATGAGCACTTTTGGGCTACCTTTGATTCGGGTTCCAGGAATACC 1046
Db 1121 GGACACTTTCAGTCTCTGATGAGCACTTTGGGCTGACACTCAATAGGATTCAGGTTGTTCC 1180
Qy 1047 TGGGAGATTTCCAGATCAGCCAGGATGTTGTGATCTGCAGAGTAAGACTCGCCTTCT 1106
Db 1181 TGGCTCTATGCCAAATGATCTCGGACTG-----GAACTCAGAGCTAT 1225
Qy 1107 CAAGTGAATTTACTATGAAGGCTTTTCTATCCAGTTGTTACTTGGATCTCACCTTCAAG 1166
Db 1226 AAGTGGAGTGACATGGAAGACAGACAGCGAGGC---TGCCAGCGCACTATGTATCATCG 1282
Qy 1167 CGTGTGATTTATGGAGCTGAGAAATTAAGTGGCTTATCAAGATGGACATTTGTTTGC 1226
Db 1283 TATTTGTATCTATGGAACCGGAGACTTAAAGTGGCTGTTAATTCACCAAGCTGTTTGC 1342
Qy 1227 TAATAAATTTGATTTCTAAGGTGGACCTTCTTGTATTAATGCTTGGCAGAAAGTTGA 1286
Db 1343 TAACAGTTTGAGCTTAATACCTACCCCTTACTGTGGAATGCTAGAACTGAGGCATCG 1402
Qy 1287 AGAA 1290
Db 1403 CGAA 1406

RESULT 5

US-08-474-065-13
Sequence 13, Application US/08474065
Patent No. 5830465
GENERAL INFORMATION:
APPLICANT: Fukuda, Minoru
APPLICANT: Bierhuizen, Marti F.A.
TITLE OF INVENTION: Expression of the Developmental I
TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,065
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/118,906

FILING DATE: 09-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9526
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 1807 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 255..1454
US-08-474-065-13

Query Match 13.6%; Score 185.2; DB 2; Length 1807;
Best Local Similarity 52.1%; Pred. No. 6.4e-41;
Matches 502; Conservative 0; Mismatches 436; Indels 24; Gaps 3;
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387 AGCTTCCCAATAGCTTATCTTTGGTTGTCACAAAGATGCAATTTATGTTGAAGGCT 446
527 TGACTTTCCCTTGGCATATATATGTCATCATCATCTTTGACACCTTTGCAAGGCT 586
447 TATCCATGCTATATACAAACAGACAAATTTTACTGTCATCAATTTATGATGTAAGGCA 506
587 CTTGAGGCTTTTACATGCCCCCAATATCTACTGTGTTCTCATGTGATGAAAGCAAC 646
507 TGNATCTTCAAGTTGCCATGACAAATTTAGTGTGCTTCTCCATATTTTCATGTC 566
647 AACTGAATTTAAGATGCGGTAGACCAATTAAGTGTCTTCCCAACGCTTTTCTGGC 706
567 TTCCAATTTAGAGGCTGTGGAATATGCCACATTTCCAGACTCCAGGCTGATTTAAATG 626
707 TTCCAAGATGAAACCGTTGTCTATGGAGGATCTCCAGGCTCCAGCTGACCTGACTG 766
627 CTTGTCCGACCTTGAAGTCTTCAATCAAGTGGAAATATGTTATCAACTTTGTGGGCA 686
767 CATCAGAGATCTTTCTGCTTCCAGGCTCTCATGGAAGTACGTTATCAACACCTGTGGCA 826
687 AGATTTCCCTGCAAGTCAATTTTGAATTTGTTGTCAGAGTTGAAACCAATCAATGGAGC 746
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747 AAATATGTTGGAGACGGTGAACCCCAACAGTAAATTTGGAAGATTCACCTTACCAATCA 806
887 AAATATCAACCCAGGGGTGCTGCCCCAGCTCATGCAATTTGGACGACTAAATATGTCCA 946
807 TGAACCTAGAGGCTGCTTATGAATATGTAAGTACCAATAGGACAAACATCTCAA 866
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867 GGAAGACACCCCAACAAATTCAGATATTTGTTGGCAGTGTCTATTTGTTTAAAGTCA 926
1001 ACCGCTTCCCTCCCAATATCTCAATTTTACCTTGGCTCTGCTATGTTGCTATCAAG 1060
927 AGCATTTGTTAAATATATTTTCAACATCTCATCTGTTCAAGACTTTTGGCTGCTCAA 986
1061 AGAGTTTGGCAACTTTGTTCTGATGACCCACGGGCTGTTGATTTGCTCCAGTGTCCAA 1120
987 AGACACATCTCTCTGATGACACTTTTGGGCTACCTTGAATTCGGGTTCCAGGAATACC 1046
1121 GGACACCTTTCAGTCTGATGAGCATTTCTGGGTGACACTCAATAGATTTCCAGGTGTTCC 1180
1047 TGGGAGATTTCCAGATCAACCCAGGATGTTGATCTGCAAGTAAAGACTCGCCTGT 1106

RESULT 6
US-07-955-041-3
Sequence 3, Application US/07955041
Patent No. 5360733
GENERAL INFORMATION:
APPLICANT: FUKUDA, MINORU
APPLICANT: BIERHUIZEN, MARTI FA
TITLE OF INVENTION: A NOVEL BETAL-6
TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE,
TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING
TITLE OF INVENTION: ENZYMATIC ACTIVITY
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: CAMPBELL AND FLORES
CITY: SAN DIEGO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07955,041
FILING DATE: 19921001
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CAMPBELL, CATHRYN
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9294
TELEPHONE: 619-535-9001
TELEFAX: 619-535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2105 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 220..1504
FEATURE:
NAME/KEY: polyA signal
LOCATION: 1913..1918
FEATURE:
NAME/KEY: misc signal
LOCATION: 248..314
OTHER INFORMATION: /standard name=
OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"

Db 1181 TGGCTCTATGCCAATGCACTCTGGACTG-----GAAACCTCAGAGCTAT 1225
Qy 1107 CAAGTGAATTAATGAAAGGCTTTTCTATCCAGTTGTACTGGATCTCAGCTTGAAG 1166
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Qy 1167 CGTGTGATTTATGGAGCTGCAGAAATTAAGGTGGCTTTATCAAGATGACATTTGGTTTGC 1226
Db 1283 TATTTGATCTAGGAACCGAGACTTAAAGTGGCTGGTTAATTCACCAAGCCTGTTTGC 1342
Qy 1227 TAATAAATTTGATTTAAAGGTGACCTATCTTGAATAATGCTTGGCAGAAAAGCTTGA 1286
Db 1343 TAACAGTTTGAGCTTAATACCTACCCCTTACTGTGGAATGCTAGAACTGAGGCATCG 1402
Qy 1287 AGAA 1290
Db 1403 CGAA 1406

US-07-955-041-3

Query Match 12.6%; Score 172; DB 1; Length 2105;
Best Local Similarity 51.7%; Pred. No. 2.6e-37;
Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;

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QY 300 TGATGATGTTGGCAATCACCAGTGTATGTCACATTTATCAGACTCTTAAGAGGTATGC 359
DB 489 TGACGACTATATAACATGACGAGTACTGTCTTCTTCATCAGAGCGCAATATAT 548
QY 360 TCAAAAGCTGTCTCAAGAGGAGAAAAGCTTCCCAATAGCTTATTTTGGTGTCCA 419
DB 549 TGTAAGACCCCTAGTAAGAAGAGCGGAGTTTCCCAATAGCATATTTCTATAGTGTCA 608
QY 420 CAAAGATGCAATTTATGTTGAAAGCTTATCCATGCTATATACAGCAGCATATTTA 479
DB 609 TCACAGATTGAATCTTGACAGGCTGCTAGGCGCACTATATGCTCAGAAATTTCTA 668
QY 480 CTCATCTCATTTATGATCGTAAGGCACCTGATACCTTCAAAGTTGTCATGAACATTTAGC 539
DB 669 TTGGTTTCATGTGACACAAATCCGAGGATTCCTATTAGCTGAGTGTGGCATCGC 728
QY 540 TAAGTGTCTTCAATATTTTCAATGCTTCCAAATTAGAGGCTGTGGAATATGCCCAT 599
DB 729 TTCTGTTTAGTAATGCTTTGTGCGCAGCGATGAGAGTGTGGTTTATGATCGTG 788
QY 600 TTCAGACTCCAGGCTGATTTAAATGCTTGTGCGACCTTCTGAAGTCTTCAATCCAGTG 659
DB 789 GAGCGGGTTTCAGCTGACCTCACTGATGAAGATCTCTATGCAATGAGTGCACATCG 848
QY 660 GAAATATGTTATCACTTGTGCGGCAAGATTTTCCCTGAAGTCAAAATTTGATTTGGT 719
DB 849 GAAATGTTGATAAATCTTTGTGTTGATGATTTTCCCATTAACCACTTAGAAATTTG 908
QY 720 GTCAGAGTTCAAAAATCAATGAGCAATATGTTGGAGAGCGTGAACCCCAACAG 779
DB 909 CAGGAGCTCACTGTTTATGGAGAAACAACTGGAACGGAGAGATGCCATCCA 968
QY 780 TAAATGGAAGATTCACCTTACATCATGAACTTAGACGGGTGCTTATGATATGTA 839
DB 969 TAAAGAGAAGGTGGAAGAGCGGTATGA-----GTCGTAAATGGAAGCTGAC 1019
QY 840 GCTACCAATAGGACAAACATCTCCAAAGGAGCAGCCCCCCTCAATCATGATTTGT 899
DB 1020 -----AAACACAGGAGTCTCAATGCTTCTCCACTCGAAACACCTCTCTTTC 1070
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DB 1071 TGGCAGTGTCTTATTTGTTTATGAGGATGTTGGGTATGTAACAGAAATGAAA 1130
QY 960 CGTTCAAGACTTTTTCCTGCTTAAAGACATATCTCTGATGAGCATTTTGGGC 1019
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QY 1020 TACCTTGATTCGGGTTCCAGGAATACCTGGGAGAT---TTCAGATCAGCCAGAGTGT 1076
DB 1191 CACCATCAAAAGGATTCCTGAAGTCCCGGCTCACTCCCTGCGCAGCAATGATGATCT 1250
QY 1077 GTCTGATCTCAGAGTAAAGTCTGCTTGTCAAGTGAATTAATGAGGCTTTT--- 1133
DB 1251 ATCTGATGCAAGCAGTGTCCAGGTTTGTCAAGTGGCAGTACTTTGAGGGGTGATTTTC 1310
QY 1134 -----CTATCCAGTGTGATGCTATCTCACTTCCAGCGGTGTGATTTATGG 1181
DB 1311 CAAGGTTGCTCCCTTACCGGCTCGCATGAGTGCATGCTGAGTGTGATTTTCG 1370
QY 1182 AGCTGCAAGATTAAGTGGCTTATCAAGATGACATTTGCTTGTATTAATTAATTTGATTC 1241
DB 1371 AGCTGGTGAATGAACTGATGCTGGGCAACACCACTTGTGTGCAATAGTTTGAAGT 1430
QY 1242 TAAGTGAACCTATCTTGAATTAATGCTTTGGCAGA 1277
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US-08-227-455-3
Sequence 3, Application US/08227455
Patent No. 5624832
GENERAL INFORMATION:

APPLICANT: FUKUDA, MINORU
TITLE OF INVENTION: A NOVEL BETAL-6
TITLE OF INVENTION: N-ACTYLGALACTOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE,
TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING
TITLE OF INVENTION: ENZYMACTIC ACTIVITY
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: CAMPBELL AND FLORES
STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
CITY: SAN DIEGO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92122

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/227,455
FILING DATE: 14-APR-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: CAMPBELL, CATHRYN
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9957
TELEPHONE: 619-535-9001
TELEFAX: 619-535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2105 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: CDNA

FEATURE:
NAME/KEY: CDS
LOCATION: 220..1504
FEATURE:
NAME/KEY: polyA_signal
LOCATION: 1913..1918
FEATURE:
NAME/KEY: misc signal
LOCATION: 248..314
OTHER INFORMATION: /standard names
OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"

US-08-227-455-3

Query Match 12.6%; Score 172; DB 1; Length 2105;
Best Local Similarity 51.7%; Pred. No. 2.6e-37;
Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;

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QY 300 TGATGATGTTGGCAATGACAGTGTATGTCACATTTATCAGACTCTTAAGAGGTATGC 359
DB 489 TGACGACTATATAACATGACGAGTACTGTCTTCTTCATCAGAGCGCAATATAT 548
QY 360 TCAAAAGCTGTCTCAAGAGGAGAAAAGCTTCCCAATAGCTTATTTTGGTGTCCA 419
DB 549 TGTAAGACCCCTAGTAAGAAGAGCGGAGTTTCCCAATAGCATATTTCTATAGTGTCA 608
QY 420 CAAAGATGCAATTTATGTTGAAAGCTTATCCATGCTATATACAGCAGCATATTTA 479
DB 609 TCACAGATTGAATGCTTGTGACGCTGCTGAGGCGCATCTATATGCTCAGAAATTTCTA 668
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RESULT 8
 US-08-472-482-3
 ; Sequence 3, Application US/08472482
 ; Patent No. 5659778
 ; GENERAL INFORMATION:
 ; APPLICANT: FUKUDA, MINORU
 ; APPLICANT: BIERHUIZEN, MARTI PA
 ; TITLE OF INVENTION: A NOVEL BTAL-6
 ; TITLE OF INVENTION: N-ACETYLGUCCOSAMINYLTANSFERASE, ITS ACCEPTOR MOLECULE,
 ; TITLE OF INVENTION: LEUKOSTALIN AND A METHOD FOR CLONING PROTEINS HAVING
 ; TITLE OF INVENTION: ENZYMATIC ACTIVITY
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CAMPBELL AND FLORES
 ; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
 ; CITY: SAN DIEGO

STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,482
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA: US 07/955,041
APPLICATION NUMBER: 01-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: CAMPBELL, CATHRYN
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9294
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-535-9001
TELEFAX: 619-535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 2105 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 220..1504
FEATURE:
NAME/KEY: polyA_signal
LOCATION: 1913..1918
FEATURE:
NAME/KEY: misc_signal
LOCATION: 248..314
OTHER INFORMATION: "standard name=
OTHER INFORMATION: "SIGNAL/MEWERRANE-ANCHORING DOMAIN"
US-08-472-482-3

Query Match	12.6%	Score 172	DB 1	Length 2105
Best Local Similarity	51.7%	Pred. No. 2.6e-37		
Matches 515	Conservative 0	Mismatches 445	Indels 36	Gaps 4
300	QY	GTGATGTTGTGGCAATCACCAGTGATTGTGACATTTATCAGACTCTTAAGAGGTTATGC	359	
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420	QY	CAAGATGCAATTATGGTTTGAAGGCTTATCCATCCTATATACACGACGACAAATATTTA	479	
609	Db	TCACAAGATTGAAATGCTTGACAGGCTGCTGAGGGCCATCTATATGCTTCAGATTTCCTA	668	
480	QY	CTGCATCCATATATGATCGTAAGGCACCTGATACCTTCAAAGTTGCCATGAAACAATTTAGC	539	
669	Db	TTGGTTTCATGTGCACACAAAATCCGAGGATTCTCTATTTAGCTGCAGTGATGGGCATCGC	728	
540	QY	TAAGTGTCTTCCCAATATTTTCATTGTCTTCCAAATTAGAGGCTGTGGAATATGCCACAT	599	
729	Db	TTCTGTGTTTAGTAATGTCTTTGTGGCCAGCCGATGGAGAGTGTGGTTTAGCATCGTG	788	
600	QY	TTCCAGAGACTCCAGGCTGATTTAAATTTGTTGCGACCTTCTGAAGTCTTCAATCCAGTG	659	
789	Db	GAGCCGGTTTCAGGCTGACCTCAACTGCATGAAGCATCTCTATGCAATGAGTGCAAACTG	848	
660	QY	GAAATATGTTATCAACTGTGTGGGCAAGATTTTCCCTGAAGTCAAAATTTTGAATTCGT	719	
849	Db	GAAGTACTTGATAAACTCTTTGTGGTATGATATTTCCCATTTAAACCAACCTAGAAATTTGT	908	

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QY 780 TAAATGGAAAGATTCACCTACCATCATGAATAGACGGTCTTATGAATATGTGA 839
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QY 1182 AGCTGACAGAAATTAAGTGGCTTATCAAGATGGACATTTGTTTGTCTAATAATTTGATTC 1241
Db 1371 AGCTGTTGACTTCACTGATGCTGGCAACACACACTTGTGTGCAATAAGTTTGACGT 1430
QY 1242 TAAGTGGACCTATCTTGAATTAATGCTTGGCAG 1277
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RESULT 9

US-08-487-069-3
; Sequence 3, Application US/08487069
; Patent No. 5684134
; GENERAL INFORMATION:
; APPLICANT: FUKUDA, MINORU
; APPLICANT: BIERHUIZEN, MARTI FA
; TITLE OF INVENTION: A NOVEL BETAL-6
; TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTRANSFERASE, ITS ACCEPTOR MOLECULE,
; TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING
; TITLE OF INVENTION: ENZYMACTIC ACTIVITY
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
; CITY: SAN DIEGO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,069
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/955,041
; FILING DATE: 01-OCT-1992

ATTORNEY/AGENT INFORMATION:
; NAME: CAMPBELL, CATHRYN
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-9001
; TELEFAX: 619-535-8949
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2105 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 220..1504
; FEATURE:
; NAME/KEY: polyA_signal
; LOCATION: 1913..1918
; FEATURE:
; NAME/KEY: misc_signal
; LOCATION: 248..314
; OTHER INFORMATION: /standard name=
; OTHER INFORMATION: "SIGNAL/MEMBRANE-ANCHORING DOMAIN"
US-08-487-069-3

Query Match 12.6%; Score 172; DB 1; Length 2105;

Best Local Similarity 51.7%; Pred. No. 2.6e-37;
Matches 515; Conservative 0; Mismatches 445; Indels 36; Gaps 4;

QY 300 TGATGATCTTGCCAAATGACCACTGATTTGTGACATTTATCAGATCTTAAGAGGTTATGC 359
Db 489 TGACGACTATATAACATGACCACTGATCTTCTTTTCATCAAGAGCGCAATATAT 548
QY 360 TCAAAAGCTTGTCTCAAGAGGAGGAGAAAGCTTCCCAATAGCCTATTTCTTGTGTCCA 419
Db 549 TGTAGAACCCCTTAGTAAAGAGAGGCGGAGTTTCCAAATAGCATATTTCTATAGTGTCA 608
QY 420 CAAGATGCAATATGTTGAAGGCTTTATCCATGCTATATACACAGCACAAATATTA 479
Db 609 TCACAGATTAAGATGCTTGACAGGCTGCTGAGGCGCATATATGCTCAGATTTCTA 668
QY 480 CTGCATCCATTTATGATCGTAAAGCACCTGATACCTTCAAGTTGCCATGAACAAATTTAGC 539
Db 669 TTGCGTTTCATGTGGACACAAATCCGAGGATTCCTATTTAGTGCAGTATGGGCATCGC 728
QY 540 TAAAGTCTTCTCCATATTTTCATTTGCTTCCAAATAGAGGCTGTGGAATATGCCACAT 599
Db 729 TTCTCTGTTTATGATGTTTGTGGCCAGCCGATTTGAGAGTGTGTTTATGATCGTG 788
QY 600 TTCCAGACTCCAGGCTGATTTAAATTTGCTTGTGGACCTTCTGAAAGTCTTCAATCCAGTG 659
Db 789 GAGCCGGGTTGAGGCTGACCTCACTGATGAAGATCTCTATGCAATGAGTGCACAACTG 848
QY 660 GAAATATGTTATCACTTGTGTGGCAGATTTTCCCTGAGTCAATTTTGAATTTGT 719
Db 849 GAAGTACTTGATAAATCTTTGTGGTATGATTTTCCCATTAACCAACCTTAGAATGT 908
QY 720 GTCAGAGTTGAAAAAATCTCAATGGAGCAAAATATGTTGGAGACGCTGAACCCCAACAG 779
Db 909 CAGGAGCTCAAGTTGTTAAATGGGAGAAAACAACCTGGAAACGGAGAGGATGCCATCCA 968
QY 780 TAAATGGAAAGATTCACCTTACCATCATGAACTTAGACGGTGTGCTTATGAATGTGA 839
Db 969 TAAAGAGAAAGGTGGAAGAGCGGTATGA-----GGTCGTTAATGGAAGCTGAC 1019
QY 840 GCTACCAATAGGACAAACATCTCAAGAGAGCAGCCCCCATCAACATTTAGATTTGT 899
Db 1020 -----AAACACAGGAGCTGTCAAAATGCTCTCCACTCGAAACACCTCTCTTTTC 1070
QY 900 TGGCAGTGCTTATTTTGTAAAGTCAAGCAATTTGTTAAATATATTTTCAACACTCCAT 959

Db 1071 TGGCAGTGCCTACTTCGTGGTCACTAGGAGATATGGGGTATCTACTACAGAAATGAAA 1130
Qy 960 CGTTCAGAGCTTTTTCCTGCTCTAAAGACACATACCTCTCTGATGAGCAGCTTTTGGGC 1019
Db 1131 AATCCAAAGTTGATGGAGTGGGCAAGACACATACAGCCCTGATGATCTCTGGGC 1190
Qy 1020 TACCTTGATCGGTTCCAGGATACCTGGGAGAT---TTCCAGATCAGCCAGGATGT 1076
Db 1191 CACCATCCAAAGGATTCCTGAAGTCCCGGCTCACTCCCTCCAGCCATTAAGTATGATCT 1250
Qy 1077 GTCTGATCTGAGATGAAGTCTGCTCAAGTGGAAATTAATCTATGAAAGCTTTT--- 1133
Db 1251 AACTGACATGCAAGCAGTTGCCAGTTTGTCAAGTGGCAGTACTTTGAGGGTGAATGTTT 1310
Qy 1134 -----CTATCCAGTTGACTGATCTCACCCTTCAAGTGGAAATTAATCTATGAAAGCTTTT--- 1133
Db 1311 CAAGGTGCTCCCTACCCGCTGCGATGGAGTCCATGTCGCTCAGTGTGCAATTTTCGG 1370
Qy 1182 AGCTGCAGAAATTAAGTGGCTTATCAAGATGGACATTTGGTTTGTCTAATAAATTTGATTC 1241
Db 1371 AGCTGTGACTGACTGATGATCTGCTGGCAGAACACCACTTTGTTGCCAATAAGTTTGAGT 1430
Qy 1242 TAAGTGGACCCCTAATCTTGATTAATGCTTGGCAGA 1277
Db 1431 GGATGTTGACCTCTTGGCCATCCAGTGTGTTGGATGA 1466

RESULT 10
US-09-063-237-3
; Sequence 3, Application US/09063237
; Patent No. 6124267
; GENERAL INFORMATION:
; APPLICANT: McEver, Rodger P.
; APPLICANT: Cummings, Richard D.
; TITLE OF INVENTION: O-Glycan Inhibitors of Selectin Mediated
; TITLE OF INVENTION: O-Glycan Inhibitors of Selectin Mediated
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESS: Patrea L. Pabst
; STREET: 2800 One Atlantic Center, 1201 West Peachtree
; STREET: Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: US
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patencia Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/649,802
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: OMRF110CIP7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2102 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA

Query Match 11.8%; Score 160.8; DB 3; Length 2102;
Best Local Similarity 51.04; Pred. No. 3e-34;
Matches 508; Conservative 0; Mismatches 452; Indels 36; Gaps 4;
Qy 300 TGATGATGTTGTGGCAATGACCACTGATGTGATGATTTATCAGACTCTTAAGAGTTATGTC 359
Db 488 TGACGACTATATAAATGATGACCACTGATGATGATGATGATGATGATGATGATGATGAT 547
Qy 360 TCAAAGCTTGTCTCAAGGAGGAGAAAGCTTCCCAATAGCCTATTTCTTGTGTTGTTCCA 419
Db 548 TGTAGAAGCTTGTGATGAAGAGGAGGAGGATTTCCAAATAGCATATTTCTATAGTGTGTTCA 607
Qy 420 CAAAGATGCAATTAATGTTGAAAGGCTTATCCATGCTATATAACAACAGCACAAATATTA 479
Db 608 TCACAGATTAATGATGCTGACAGGCTGCTGAGGGCATCTATATGCTCAGAAATTTCTA 667
Qy 480 CTGCATCAATTAATGATGCTGATGAGGACCTGATGATCTTCAAAGTTGGCATGAACAATTTAG 539
Db 668 TTGGCTTCAATGATGACCAAAATCCGAGGATTCCTATTTAGCTGCGAGTATGGGCTATGCG 727
Qy 540 TAAGTGTCTTCCAAATATTTTTCATTTGCTTCCAAATTTAGAGGCTTGTGGAATATGCCACAT 599
Db 728 TTCTGTTTTAGTAAATGCTTTTGGCCAGCCGATTTGGAGAGTGTGTTTATGATCGTG 787
Qy 600 TTCCAGACTCAGGCTGATTTAAATGCTTTGTGGACCTTCTGAAGTCTTCAATCCAGTG 659
Db 788 GAGCGGGTTCAGGCTGACCTCAATGCTGATGAAGGATCTCTATGCAATGAGTGCAAACTG 847
Qy 660 GAATATGCTTATCAACTTGTGTTGGGCAAGATTTTCCCTCGAAGTCAAAATTTTGAATTTGGT 719
Db 848 GAAGTACTTGAATTAATCTTTGTTGATGATGATTTTCCATTTAAACCAACCTAGAAATTTGT 907
Qy 720 GTGAGATGAAAGAACTCAATGAGCAATATATTTGGAGACGGTGAACCCCAACAG 779
Db 908 CAGCAAGCTCAAGTTGTTAATGGGAGAAACACACTGGAACCGAGAGGATGTCNTCCCA 967
Qy 780 TAAATGGAAGATTCCTTACCATCATGAATTTAGACGGTGTCTTATCAATATGTGAA 839
Db 968 TAAAGAACAAAGGTGGAAGAGCCCTATGA-----GGTGTAAATCGAAGCTG-- 1016
Qy 840 GCTACCAATAAGGACAAACATCTCAAGGAGACACCCCAATGAGGAGGAGGAGGAGGAGGAG 899
Db 1017 -----ACAAACACAGGAGTGTCAAAATGCTTCTCCCTCCACTCGAAACACCTCTCTTTTC 1069
Qy 900 TGGCAGTCTTATTTTGTGTTTAAAGTCAAGCATTTTGTAAATATATATTTTCAACCACTCCAT 959
Db 1070 TGGCAGTCTCTACTTCTGCTCAGTAGGAGTATGTTGGGATGATGATGATGATGATGATGAT 1129
Qy 960 CTTCAAGACTTTTTTGTGCTGCTTAAAGACACATCTCTCTGATGAGCACTTTTGGGC 1019
Db 1130 AATCCAAAGTTGATGGAGTGGGCAAGACACATACAGCCCTGATGATGATGATGATGATGAT 1189
Qy 1020 TACCTTGATTCGGTTCCAGGAATACCTGGGAGAT---TTCCAGATCAGCCAGGATGT 1076
Db 1190 CACCATCCAAAGGATTCCTGAAGTCCCGGCTCACTCCCTCCAGCCATTAAGTATGATCT 1249
Qy 1077 GTCTGATCTGAGAGTAAAGCTTGGCTTTGTCAAGTGGAAATTAATCTATGAGGCTTTT--- 1133
Db 1250 ATGTGACATGCAAGCAGTTGCCAGTTTGTCAAGTGGCAGTACTTTTCAAGGCTGATGTTTC 1309
Qy 1134 -----CTATCCAGTTGATCTGAGTCTCACCCTTCAAGTGGAAATTAATCTATGAGGCTTTT--- 1133
Db 1310 CAAGGTGCTCCCTACCCGCTGCGATGGAGTCCATGTCGCTCAGTGTGCAATTTTCGG 1369
Qy 1182 AGCTGCAGAAATTAAGTGGCTTATCAAGATGGACATTTGGTTTGTCTAATAAATTTGATTC 1241
Db 1370 AGCTGTGACTGACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1429
Qy 1242 TAAGTGGACCCCTAATCTTGATTAATGCTTGGCAGA 1277
Db 1430 GCATGTTGACCTCTTGGCCATCCAGTGTGTTGGATGA 1465

RESULT 11

US-08-118-906-1
; Sequence 1, Application US/08118906
; Patent No. 5484590
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/118,906
; FILING DATE: 09-SEP-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 378 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..378
US-08-118-906-1

Query Match 8.9%; Score 121.2; DB 1; Length 378;
Best Local Similarity 58.2%; Pred. No. 9.7e-24;
Matches 213; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

QY	367	CTTGTCTCAAGGAGGAGAAAGCTTCCCAATAGCCTATCTTTGGTTGTCACAAAGAT	426
DB	13	CCCTTATCTAAGGAGAGCTGACTTCCCTGGCATATATATGGTCATCATCATCAC	72
QY	427	GCAATTATGTTGAAGGCTTATCCATGCTATATACCAACGACCAATATTTACTGCAATC	486
DB	73	TTTGACACCTTTGCAAGGCTCTTCAGGCGCTATTACATGCCCAAAATATCTACTGTGT	132
QY	487	CATTATGATCGTAAGGACCTGTATACCTTCAAGTTGCCATGACATTTAGCTAGTGC	546
DB	133	CATGTGGATGAAAGCAACACTGAAATTTAAAGATCGGTAGAGCAACTATTAAAGCTGC	192
QY	547	TTCTCCAATATTTTCATTGCTTCCAAATTTAGAGGCTGTGGAATATGCCACATTTCCAGA	606
DB	313	GTATTCAACACTGTGGGGAAGACTTCCCTCCCTGAAACCAACCAAGGAATAGTTCCAGTAT	372

QY 727 TTGAAA 732
DB 373 CTGAAA 378

RESULT 12
US-08-486-196-1
; Sequence 1, Application US/08486196
; Patent No. 5731420
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,196
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 378 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..378
US-08-486-196-1

Query Match 8.9%; Score 121.2; DB 1; Length 378;
Best Local Similarity 58.2%; Pred. No. 9.7e-24;
Matches 213; Conservative 0; Mismatches 153; Indels 0; Gaps 0;

QY	367	CTTGTCTCAAGGAGGAGAAAGCTTCCCAATAGCCTATCTTTGGTTGTCACAAAGAT	426
DB	13	CCCTTATCTAAGGAGAGAGCTGACTTCCCTGGCATATATATGGTCATCATCATCAC	72
QY	427	GCAATTATGTTGAAGGCTTATCCATGCTATATACCAACGACCAATATTTACTGCAATC	486
DB	73	TTTGACACCTTTGCAAGGCTCTTCAGGCGCTATTACATGCCCAAAATATCTACTGTGT	132
QY	487	CATTATGATCGTAAGGACCTGTATACCTTCAAGTTGCCATGACATTTAGCTAGTGC	546
DB	133	CATGTGGATGAAAGCAACACTGAAATTTAAAGATCGGTAGAGCAACTATTAAAGCTGC	192
QY	547	TTCTCCAATATTTTCATTGCTTCCAAATTTAGAGGCTGTGGAATATGCCACATTTCCAGA	606

Query Match 8.9%; Score 121.2; DB 2; Length 378;
Best Local Similarity 58.2%; Pred. No. 9.7e-24;
Matches 213; Conservative 0; Mismatches 153; Indels 0; Gaps 0;
QY 367 CTTGTCTCAAGGAGGAGAGAAAGCTTCCCAATAGCTATTCTTTGGTTGTCACAAAGAT 426
DB 13 CTTTATCTAAGGAAGAGCTGACTTCCCTTGGCATATATAATGGTCATCCATCATCAC 72
QY 427 GCATATATGTTGAAGGCTTATCCATCTATATACACGAGACATATTTACTGCAATC 486
DB 73 TTGACACCTTTGCAAGGCTCTTCAGGGCTATTTACATGCCCCAAAATATCTACTGTGT 132
QY 487 CATTATGATCGTAAGGCAACCTGATACCTTCAAGTTGCCATGAACAATTTAGCTAAGTGC 546
DB 133 CATGTGATGAAGGAAGCAACACTGAATTTAAGATCGGTAGAGCAACTATTAAAGCTGC 192
QY 547 TTCCTCAATATTTTCAATGCTTCCAAATAGAGGCTGTGGAAATATGCCACATTTCCAGA 606
DB 193 TTCCCAACGCTTTTCTGGCTTCCAAAGTGAACCCGTTGTCTATGAGGGATCTCCAGG 252
QY 607 CTCAGGCTGATTTAAATTTGCTTGGGACCTTCTGAAGTCTTCAATCCAGTGGAAATAT 666
DB 253 CTCAGGCTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACTGACT 312
QY 667 GTTATCAACTGTGTGGGCAAGATTTCCCTGAGTCAAAATTTTGAATTTGGTGTGAGAG 726
DB 313 GTTATCAACACCTGTGTGGGCAAGACTTCCCTGAGTCAAAATTTTGAATTTGGTGTGAGAG 372
QY 727 TTGAAA 732
DB 373 CTGAAA 378

RESULT 15
US-08-118-906-3
Sequence 3, Application US/08118906
Patent No. 5484590
GENERAL INFORMATION:
APPLICANT: Fukuda, Minoru
APPLICANT: Bierhuizen, Marti F.A.
TITLE OF INVENTION: Expression of the Developmental I
TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,906
FILING DATE: 09-SEP-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9526
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 378 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear

MOLECULE TYPE: CDNA
FEATURES:
NAME/KEY: CDS
LOCATION: 1..378
US-08-118-906-3
Query Match 6.8%; Score 92.2; DB 1; Length 378;
Best Local Similarity 52.8%; Pred. No. 7.6e-16;
Matches 199; Conservative 0; Mismatches 178; Indels 0; Gaps 0;
QY 355 TATGCTCAAAAGCTTGTCTCAAAAGGAGGAGAAAGCTTCCCAATAGCCCTATTCTTTGGTT 414
DB 1 TATATTCTAGAACCCCTTAGTAAAGAGAGGCGGAGTTTCCCAATAGCATATTCTATAGTG 60
QY 415 GTCCACAAAGATGCAATTTATGTTGAAAGGCTTTATCCATGCTATATACAAACGAGCACAAT 474
DB 61 GTTCATCAAGAATTGAATGCTTGACAGGCTGCTGAGGGCCATCTATATGCTCAGAAAT 120
QY 475 ATTTACTGCATGCCATATATGATGTAAGGACCTGATACCTTCAAAAGTTGCCATGAACAAT 534
DB 121 TTCTATTGCGTTTCATGTGGACACAAAATCCGAGGATTCCTATTATTAGCTGCACTGATGGC 180
QY 535 TTAGCTAAGTGTCTTCCCAATATTTTCAATTTGCTTCCAAATTTAGAGGCTGTGAAATATGCC 594
DB 181 ATCGCTTCTCTGTTTATGTAATGCTTTTGGCCAGCGGATTTGAGAGTGTGTTTATGCA 240
QY 595 CACATTTCCAGACTCCAGGCTGATTTAAATTTGCTTCCGACCTTCTGAAAGTCTTCAATC 654
DB 241 TCGTGGAGCGGGTTCCAGGCTGACCTCACTGCATGAAGGATCTCTATGCAATGAGTGCA 300
QY 655 CAGTGGAAATATGTTATCAACTTGTGTGGGCAAGATTTTCCCTGAGTCAAAATTTTGA 714
DB 301 AACTGGAAGTACTTGAATAATCTTTGTGATGGAATTTTCCCATTAACCAACCTAGAA 360
QY 715 TTGGTGTGACAGATTGAA 731
DB 361 ATTGTGAGGAGCTCAA 377

Search completed: February 1, 2004, 00:09:57
Job time : 98 secs

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OM nucleic - nucleic search, using sw model

Run on: January 31, 2004, 14:13:05 ; Search time 524 Seconds

(without alignments)
9473.065 Million cell updates/sec

Title: US-10-084-406-1

Perfect score: 1362

Sequence: 1 atgaagatttcaaatgtta.....atctcactaccacatcatga 1362

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Gapop 10.0 , Gapext 1.0

Searched: 2434939 seqs, 1822278265 residues

Total number of hits satisfying chosen parameters: 4869878

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
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- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
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- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1362	100.0	1362	13	US-10-388-307-1 Sequence 1, Appl
2	1362	100.0	1362	15	US-10-084-406-1 Sequence 1, Appl
3	1362	100.0	3435	9	US-09-793-998-10 Sequence 10, Appl
4	949	69.7	1368	9	US-09-793-998-7 Sequence 7, Appl
5	312.6	23.0	717	9	US-09-793-998-1 Sequence 1, Appl
6	191.8	14.1	1221	9	US-09-797-207-12 Sequence 12, Appl
7	191.8	14.1	1317	9	US-09-797-207-1 Sequence 1, Appl
8	191.8	14.1	1317	13	US-10-388-307-14 Sequence 14, Appl
9	191.8	14.1	1317	15	US-10-084-406-14 Sequence 14, Appl
10	191.8	14.1	2108	9	US-09-797-207-3 Sequence 3, Appl
11	191.8	14.1	2147	10	US-09-981-353-43 Sequence 43, Appl
12	191.8	14.1	2229	9	US-09-925-297-337 Sequence 337, App
13	191.8	14.1	2236	15	US-10-106-698-1555 Sequence 1555, App
14	191.8	14.1	2319	9	US-09-874-390-1 Sequence 1, Appl
15	185.2	13.6	1203	13	US-10-388-307-16 Sequence 16, Appl

16	185.2	13.6	1203	15	US-10-084-406-16 Sequence 16, Appl
17	175.8	12.9	1314	9	US-09-797-207-19 Sequence 19, Appl
18	172	12.6	1287	13	US-10-388-307-12 Sequence 12, Appl
19	172	12.6	1287	15	US-10-084-406-12 Sequence 12, Appl
20	172	12.6	2110	10	US-09-962-832-123 Sequence 123, App
21	172	12.6	2110	10	US-09-954-456-737 Sequence 737, App
22	161.6	11.9	2109	9	US-09-797-207-13 Sequence 13, Appl
C 23	147	10.8	549	13	US-10-029-386-4453 Sequence 4453, Ap
C 24	138.6	10.2	361	13	US-10-029-386-18153 Sequence 18153, A
C 25	117.2	8.6	408	11	US-09-918-995-3027 Sequence 3027, Ap
C 26	108.4	8.0	527	13	US-10-029-386-2317 Sequence 2317, Ap
C 27	80.8	5.9	997	11	US-09-809-391-307 Sequence 307, App
C 28	80.8	5.9	997	13	US-09-882-171-307 Sequence 307, App
C 29	71.2	5.2	2854	12	US-10-108-260A-2321 Sequence 2321, Ap
C 30	69	5.1	471	10	US-09-998-598-1060 Sequence 1060, Ap
C 31	64.4	4.7	173	13	US-10-029-386-16017 Sequence 16017, A
C 32	50.6	3.7	306	10	US-09-878-178-940 Sequence 940, App
C 33	50.6	3.7	306	14	US-09-878-178-2116 Sequence 2116, Ap
C 34	50.6	3.7	306	14	US-10-046-935-940 Sequence 2116, Ap
C 35	50.6	3.7	306	14	US-10-046-935-2116 Sequence 2116, Ap
C 36	50.6	3.7	306	15	US-10-146-502-940 Sequence 940, App
C 37	50.6	3.7	306	15	US-10-146-502-2116 Sequence 2116, Ap
C 38	49.4	3.6	777	11	US-10-060-036-1983 Sequence 1983, Ap
C 39	49.4	3.6	777	11	US-09-809-391-181 Sequence 181, App
C 40	49.4	3.6	777	13	US-09-882-171-181 Sequence 181, App
C 41	48.8	3.6	404	13	US-09-814-353-18915 Sequence 18915, A
C 42	48.2	3.5	285	13	US-09-814-353-21954 Sequence 21954, A
C 43	43	3.2	1944	9	US-09-815-243-9244 Sequence 9244, Ap
C 44	41.8	3.1	497	13	US-10-027-632-3021 Sequence 3021, Ap
C 45	41.8	3.1	497	14	US-10-027-632-3021 Sequence 3021, Ap

ALIGNMENTS

RESULT 1

US-10-388-307-1
; Sequence 1, Application US/10388307
; Publication No. US20030180778A1
; GENERAL INFORMATION:
; APPLICANT: Schwiensek, Tilo
; TITLE OF INVENTION: UPD-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglucosamine-alpha-R / (G1CNAC
; TITLE OF INVENTION: to Galnac) beta1,6-N-Acetylglucosamineyltransferase, C3GNT3
; FILE REFERENCE: 4503/IG031
; CURRENT APPLICATION NUMBER: US/10/388,307
; PRIOR FILING DATE: 2003-03-13
; CURRENT FILING DATE: 2003-03-13
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/150,488
; PRIOR FILING DATE: 1999-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Human

US-10-388-307-1

Query Match 100.0%; Score 1362; DB 13; Length 1362;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGAAGATTTCAAATGCTTTTAAACATACCTCAGCAGAACTTTTCATCCGTTT	60
DB	1	ATGAAGATTTCAAATGCTTTTAAACATACCTCAGCAGAACTTTTCATCCGTTT	60
QY	61	TTAAACCTTATGGCTGCTCTCTTTTAAAGCTTCTAAATGTGAGACGCTTTTCGCAA	120
DB	61	TTAAACCTTATGGCTGCTCTCTTTTAAAGCTTCTAAATGTGAGACGCTTTTCGCAA	120
QY	121	AAAGACATTACTTGGTGTGAGTACTCCCTTAAGTACCTCGCTTTTCTAAGAACACATAC	180

Db 121 AAAGACATTTACTTGGTGTGAGTACTCCCTAAGTACTCGCTTTTGTAAAGAACAGATAC 180
Qy 181 ACTCATGTTTAAGGATGAGTCAAGTATGAGTAACTGTTTCGGGTATCTATGACAGGAG 240
Db 181 ACTCATGTTTAAGGATGAGTCAAGTATGAGTAACTGTTTCGGGTATCTATGACAGGAG 240
Qy 241 CTTTGGAAATTTGGAAGAGTCTCGAAATTAAGAAAGAGGACATCATTTGATGAGGAT 300
Db 241 CTTTGGAAATTTGGAAGAGTCTCGAAATTAAGAAAGAGGACATCATTTGATGAGGAT 300
Qy 301 GATGATGTTTGGCAATGACAGTGTGACATTTATCAGATCTTAAGAGGTTATGCT 360
Db 301 GATGATGTTTGGCAATGACAGTGTGACATTTATCAGATCTTAAGAGGTTATGCT 360
Qy 361 CAAAAAGCTTGTCTCAAGAGGAGGAAAGCTTCCCAATAGCCTATTCTTTGGTGTGCCAC 420
Db 361 CAAAAAGCTTGTCTCAAGAGGAGGAAAGCTTCCCAATAGCCTATTCTTTGGTGTGCCAC 420
Qy 421 AAAGATGCAATTTATGTTGAAAGGCTTATCCATGCTATATACACAGCAATATTATAC 480
Db 421 AAAGATGCAATTTATGTTGAAAGGCTTATCCATGCTATATACACAGCAATATTATAC 480
Qy 481 TGCATCCATTTATGATCGTAAGCCACCTGATACCTTTCAAAGTTGCCATGAACAATTTAGCT 540
Db 481 TGCATCCATTTATGATCGTAAGCCACCTGATACCTTTCAAAGTTGCCATGAACAATTTAGCT 540
Qy 541 AAGTGCCTTCCCAATATTTTCAATGCTTCCAAATTAAGAGCTGTGGAAATATGCCACAT 600
Db 541 AAGTGCCTTCCCAATATTTTCAATGCTTCCAAATTAAGAGCTGTGGAAATATGCCACAT 600
Qy 601 TCCAGACTCCAGCTGATTTAAATGCTTTCGAGCCTTCTGAAGTCTTCAATCCAGTGG 660
Db 601 TCCAGACTCCAGCTGATTTAAATGCTTTCGAGCCTTCTGAAGTCTTCAATCCAGTGG 660
Qy 661 AAATATGTTATCAACTGTGTGGGCAAGATTTCCCTGAGTCAAAATTTGAATTTGGTG 720
Db 661 AAATATGTTATCAACTGTGTGGGCAAGATTTCCCTGAGTCAAAATTTGAATTTGGTG 720
Qy 721 TCAGAGTTGAAAAAATCAATGAGCAATATGTTGGAGCGGTGAACCCCAACACAGT 780
Db 721 TCAGAGTTGAAAAAATCAATGAGCAATATGTTGGAGCGGTGAACCCCAACACAGT 780
Qy 781 AAATGGAAAGATTCATTAACATCAATGAACTTGAAGCGGTGCTTATGAATATGTAAG 840
Db 781 AAATGGAAAGATTCATTAACATCAATGAACTTGAAGCGGTGCTTATGAATATGTAAG 840
Qy 841 CTACCAATGAAGCAAAACATCTCCAGGAGCAGCCGCCCATACATTCAGATATTGTT 900
Db 841 CTACCAATGAAGCAAAACATCTCCAGGAGCAGCCGCCCATACATTCAGATATTGTT 900
Qy 901 GGCAGTGTCTTATTTTGTGTTTAAAGTCAAGCAATTTGTTAAATATATTTTCAACAACTCCATC 960
Db 901 GGCAGTGTCTTATTTTGTGTTTAAAGTCAAGCAATTTGTTAAATATATTTTCAACAACTCCATC 960
Qy 961 GTTCAAGACTTTTGGCTGTCTTAAGACACATCTCTCTGATGAGCACTTTTGGCT 1020
Db 961 GTTCAAGACTTTTGGCTGTCTTAAGACACATCTCTCTGATGAGCACTTTTGGCT 1020
Qy 1021 ACCTTGATTCGGGTTCCAGGAATACCTGGGAGATTTCCAGATCAGCCAGGATGTCT 1080
Db 1021 ACCTTGATTCGGGTTCCAGGAATACCTGGGAGATTTCCAGATCAGCCAGGATGTCT 1080
Qy 1081 GATCTGAGATGAAGTCCGCTTGTCAAGTGAATTAATGAGGCTTTTCTATCCC 1140
Db 1081 GATCTGAGATGAAGTCCGCTTGTCAAGTGAATTAATGAGGCTTTTCTATCCC 1140
Qy 1141 AGTTGACTGGAATCTCACTTCGAAGCGTGTATTTATGAGCTGAGAAATTAAGGTGG 1200
Db 1141 AGTTGACTGGAATCTCACTTCGAAGCGTGTATTTATGAGCTGAGAAATTAAGGTGG 1200
Qy 1201 CTTATCAAGATGGAATGTTGTTTCTAATAAATTTGATTTCAAGGTGGAACCTTATCTTG 1260

Db 1201 CTTATCAAGATGGAATGTTGTTGCTAATAAATTTGATTTCTAAGGTGGAACCTTATCTTG 1260
Qy 1261 ATTAAATGCTTGGCAGAAAAGCTTGAAGAAACAGCAGAGAGACTGGATCACTTTGGCTCA 1320
Db 1261 ATTAAATGCTTGGCAGAAAAGCTTGAAGAAACAGCAGAGAGACTGGATCACTTTGGCTCA 1320
Qy 1321 GAAAAGTATTATTGATAGAAAATCTCACTACCATCATGA 1362
Db 1321 GAAAAGTATTATTGATAGAAAATCTCACTACCATCATGA 1362

RESULT 2
US-10-084-406-1
; Sequence 1, Application US/10084406
; Publication No. US20030054525A1
; GENERAL INFORMATION:
; APPLICANT: Schwiendek, Tilo
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UPD-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglucosamine-alpha-3 / (GlcNAc
; TITLE OF INVENTION: to GalNAc) beta1,6-N-Acetylglucosaminyltransferase, C2GnT3
; FILE REFERENCE: 4503/1G031
; CURRENT APPLICATION NUMBER: US/10/084,406
; PRIOR FILING DATE: 2002-02-25
; PRIOR FILING DATE: 09/645,192
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1362
; TYPE: DNA
; ORGANISM: Human
US-10-084-406-1

Query Match 100.0%; Score 1362; DB 15; Length 1362;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGAAGATATTCAATGTTTAAATGTTTAAACATACCTACAGCAGAAAAGTTTTCATCTGTTT 60
Db 1 ATGAAGATATTCAATGTTTAAATGTTTAAACATACCTACAGCAGAAAAGTTTTCATCTGTTT 60
Qy 61 TTAACCTATGGTCTCTCTTTGTTAAAGCTCTTAATGTGAGAGACTCTTTCCGCAA 120
Db 61 TTAACCTATGGTCTCTCTTTGTTAAAGCTCTTAATGTGAGAGACTCTTTCCGCAA 120
Qy 121 AAAGACATTTACTTGGTGTAGTACTCCCTAAGTACTCGCTTTTGTAAAGAAACAGATAC 180
Db 121 AAAGACATTTACTTGGTGTAGTACTCCCTAAGTACTCGCTTTTGTAAAGAAACAGATAC 180
Qy 181 ACTCATGTTAAGGATGAAGTCAAGTATGAATTAAGTCTTGGGTATCTATGAACAGGAG 240
Db 181 ACTCATGTTAAGGATGAAGTCAAGTATGAATTAAGTCTTGGGTATCTATGAACAGGAG 240
Qy 241 CTTTGGAAATTTGGAAGAGTCTGGAATTAAGAAAGGAGCATATTGACTTGGAGAT 300
Db 241 CTTTGGAAATTTGGAAGAGTCTGGAATTAAGAAAGGAGCATATTGACTTGGAGAT 300
Qy 301 GATCATGTTTGGCAATGACAGTGTGACATTTATCAGATCTTAAGAGGTTATGCT 360
Db 301 GATCATGTTTGGCAATGACAGTGTGACATTTATCAGATCTTAAGAGGTTATGCT 360
Qy 361 CAAAAGCTTGTCTCAAGAGGAGGAAAGCTTCCCAATAGCCTATTCTTTGGTGTGCCAC 420
Db 361 CAAAAGCTTGTCTCAAGAGGAGGAAAGCTTCCCAATAGCCTATTCTTTGGTGTGCCAC 420
Qy 421 AAAGATCAATTTATGTTGAAAGGCTTATCCATGCTATATACACAGCAATATTATAC 480
Db 421 AAAGATCAATTTATGTTGAAAGGCTTATCCATGCTATATACACAGCAATATTATAC 480
Qy 481 TGCATCCATTTATGATCGTAAGCCACCTGATACCTTTCAAAGTTGCCATGAACAATTTAGCT 540
Db 481 TGCATCCATTTATGATCGTAAGCCACCTGATACCTTTCAAAGTTGCCATGAACAATTTAGCT 540


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541 AAGTCCTTCTCCAAATATTTCAATGCTTCCAAATAGAGGCTGTGGAATATGCCACATT 600
541 AAGTCCTTCTCCAAATATTTCAATGCTTCCAAATAGAGGCTGTGGAATATGCCACATT 600
601 TCCAGACTCCAGGCTGATTTAAATGCTTGCAGACCTTCTGAAGTCTTCAATCCAGTGG 660
601 TCCAGACTCCAGGCTGATTTAAATGCTTGCAGACCTTCTGAAGTCTTCAATCCAGTGG 660
661 AAATATGTTATCAACTGCTGCGGCAAGATTTCCCTGGAAGTCAATTTGAAATGGTG 720
661 AAATATGTTATCAACTGCTGCGGCAAGATTTCCCTGGAAGTCAATTTGAAATGGTG 720
721 TCAGAGTTGAAATGCTCAATGAGCAATATGTTGAGACGGTGAACCCCAACAGT 780
721 TCAGAGTTGAAATGCTCAATGAGCAATATGTTGAGACGGTGAACCCCAACAGT 780
781 AAATGGAAGAATTCACATTCACATCATGAACTTAGACGGGTGCTTATGAATATGGAAG 840
781 AAATGGAAGAATTCACATTCACATCATGAACTTAGACGGGTGCTTATGAATATGGAAG 840
841 CTACCAATAGAGCAAAACATCTCCAGGAACACGCCGCCCAATACATTCAGATTTGTT 900
841 CTACCAATAGAGCAAAACATCTCCAGGAACACGCCGCCCAATACATTCAGATTTGTT 900
901 GGCAGTGTCTTTTGTGTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAACCTCCATC 960
901 GGCAGTGTCTTTTGTGTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAACCTCCATC 960
961 GTTCAAGACTTTTGTGCTGTTTAAAGACACATCTCTGATGAGCACTTTTGGGCT 1020
961 GTTCAAGACTTTTGTGCTGTTTAAAGACACATCTCTGATGAGCACTTTTGGGCT 1020
1021 ACCTTGATTCGGGTTCCAGGAATACCTGGGAGATTTCCAGATCAGCCAGGATGTCT 1080
1021 ACCTTGATTCGGGTTCCAGGAATACCTGGGAGATTTCCAGATCAGCCAGGATGTCT 1080
1081 GATCTCGAGATGAGACTCGCTGTTCAAGTGGATTAATGATGAGGCTTTTCTATCCC 1140
1081 GATCTCGAGATGAGACTCGCTGTTCAAGTGGATTAATGATGAGGCTTTTCTATCCC 1140
1141 AGTTGCTGATCTCACTCTCGAGCGTGTGATTTATGAGCTGCAGAAATTAAGTGG 1200
1141 AGTTGCTGATCTCACTCTCGAGCGTGTGATTTATGAGCTGCAGAAATTAAGTGG 1200
1201 CTTATCAAGATGAGACTGCTGTTCTAATAATTTGATTTCTAAGTGGACCTATCTTG 1260
1201 CTTATCAAGATGAGACTGCTGTTCTAATAATTTGATTTCTAAGTGGACCTATCTTG 1260
1261 ATTAATGCTTGGCAGAAAGCTTGAAGACAGCAGAGAGCTGATCTATGCTGCA 1320
1261 ATTAATGCTTGGCAGAAAGCTTGAAGACAGCAGAGAGCTGATCTATGCTGCA 1320
1321 GAAAAGTATTTATGATAGAAATCTCACTACCATCATGA 1362
1321 GAAAAGTATTTATGATAGAAATCTCACTACCATCATGA 1362
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RESULT 3
US-09-793-998-10
; Sequence 10, Application US/09793998
; Patent No. US20020045202A1
; GENERAL INFORMATION:
; APPLICANT: KORCZAK, BOZENA
; APPLICANT: LEW, APRIL
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1,6-N-ACETYLGLYCOSAMINYLTRANSFERASE
; TITLE OF INVENTION: GENE
; FILE REFERENCE: GLYCO-16
; CURRENT APPLICATION NUMBER: US/09/793,998
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/185,702
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 11
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 3435
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-793-998-10

Query Match 100.0%; Score 1362; DB 9; Length 3435;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1362; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGAAGATATTCAAATGTTATTTTAAACATACCCCTACAGCAGAAAAGTTTTCATCTCTGTT 60
DB 862 ATGAAGATATTCAAATGTTATTTTAAACATACCCCTACAGCAGAAAAGTTTTCATCTCTGTT 921
QY 61 TTAACCTATGGCTGCTCTTTTAAAGCTTCTAAATGTGAGACGACTCTTTCCGCA 120
DB 922 TTAACCTATGGCTGCTCTTTTAAAGCTTCTAAATGTGAGACGACTCTTTCCGCA 981
QY 121 AAAGACATTTTACTTGGTTGAGTACTCCCTAAGTACCTCGCTTTTGTAGAAACAGATAC 180
DB 982 AAAGACATTTTACTTGGTTGAGTACTCCCTAAGTACCTCGCTTTTGTAGAAACAGATAC 1041
QY 181 ACTCATGTTAAGGATGAGTCAAGTATGAGTTAACTGTTCGGGTATCTATGAACAGGAG 240
DB 1042 ACTCATGTTAAGGATGAGTCAAGTATGAGTTAACTGTTCGGGTATCTATGAACAGGAG 1101
QY 241 CCTTTGAAATTTGAAAGAGCTCTGGAATAAAGAAAGAGGAGCATCAATTCACATTGGAGGAT 300
DB 1102 CCTTTGAAATTTGAAAGAGCTCTGGAATAAAGAAAGAGGAGCATCAATTCACATTGGAGGAT 1161
QY 301 GATGATGTTGTGCAATGACCACTGATTTGACATTTATCAGACTCTAAGAGGTTATGCT 360
DB 1162 GATGATGTTGTGCAATGACCACTGATTTGACATTTATCAGACTCTAAGAGGTTATGCT 1221
QY 361 CAAAGCTTCTCMAAGGAGGAGAAAGCTTCCCAATAGCCCTATTTCTTTGTTGTCCAC 420
DB 1222 CAAAGCTTGTCTCAAAGGAGGAGAAAGCTTCCCAATAGCCCTATTTCTTTGTTGTCCAC 1281
QY 421 AAAGATCAATTTATGTTGAAAGGCTTATCCATGCTATATACAACAGCAGCAATATTTAC 480
DB 1282 AAAGATCAATTTATGTTGAAAGGCTTATCCATGCTATATACAACAGCAGCAATATTTAC 1341
QY 481 TGCATCAATTTATGATGTAAGGACCTGATACCTTCAAAATTTGCCATGACCAATTTAGCT 540
DB 1342 TGCATCAATTTATGATGTAAGGACCTGATACCTTCAAAATTTGCCATGACCAATTTAGCT 1401
QY 541 AAGTGTCTTCTCAATATTTTCAATGCTTCCAAATTAGAGGCTGTGGAATATGCCACATT 600
DB 1402 AAGTGTCTTCTCAATATTTTCAATGCTTCCAAATTAGAGGCTGTGGAATATGCCACATT 1461
QY 601 TCCAGACTCCAGGCTGATTTAAATGCTTGTGCGACCTTCTGAGTCTTCAATCCAGTGG 660
DB 1462 TCCAGACTCCAGGCTGATTTAAATGCTTGTGCGACCTTCTGAGTCTTCAATCCAGTGG 1521
QY 661 AAATATGTTATCAACTTGTGCGCAGAGATTTTCCCTGGAAGTCAATTTTGAATGGTG 720
DB 1522 AAATATGTTATCAACTTGTGCGCAGAGATTTTCCCTGGAAGTCAATTTTGAATGGTG 1581
QY 721 TCAGAGTTGAAATGCTCAATGAGCAATATGTTTGGAGACGGTGAACCCCAACAGT 780
DB 1582 TCAGAGTTGAAATGCTCAATGAGCAATATGTTTGGAGACGGTGAACCCCAACAGT 1641
QY 781 AAATGGAAGAATTCACATTCACATCATGAACTTAGACGGGTGCTTATGAATATGGAAG 840
DB 1642 AAATGGAAGAATTCACATTCACATCATGAACTTAGACGGGTGCTTATGAATATGGAAG 1701
QY 841 CTACCAATAGAGCAAAACATCTCCAGGAAGACCCGCCCAATACATTCAGATTTGTT 900
DB 1702 CTACCAATAGAGCAAAACATCTCCAGGAAGACCCGCCCAATACATTCAGATTTGTT 1761
QY 901 GGCAGTGTCTTTTGTGTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAACCTCCATC 960
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Db 1762 GGCAATGCTTATTTGTTTAAAGTCAAGCAATTTGTTAAATATATATTTTCAACAATCCATC 1821
Qy 961 GTTCAAGACTTTTTCCTGGTCTAAAGACACATACCTCTCTGATGAGCACTTTTGGGCT 1020
Db 1822 GTTCAAGACTTTTTCCTGGTCTAAAGACACATACCTCTCTGATGAGCACTTTTGGGCT 1881
Qy 1021 ACCTGATTCGGGTTCACAGAAATACCTGGGAGATTTCCAGATCAGCCAGGATGCTCT 1080
Db 1882 ACCTGATTCGGGTTCACAGAAATACCTGGGAGATTTCCAGATCAGCCAGGATGCTCT 1941
Qy 1081 GATCTCAGAGTAAGACTCCCTCTGTCAAGTGGAAATTAATGATGAGGCTTTTCTATCCC 1140
Db 1942 GATCTCAGAGTAAGACTCCCTCTGTCAAGTGGAAATTAATGATGAGGCTTTTCTATCCC 2001
Qy 1141 AGTTGACTGGAATCTCACCTTCGAGCGTGTGTATTTATGAGCTGCAGATTAAGGTG 1200
Db 2002 AGTTGACTGGAATCTCACCTTCGAGCGTGTGTATTTATGAGCTGCAGATTAAGGTG 2061
Qy 1201 CTTATCAAGATGGAATCTGCTTGTCAAGTGGAAATTAATGATGAGGCTTTTCTATCCC 1260
Db 2062 CTTATCAAGATGGAATCTGCTTGTCAAGTGGAAATTAATGATGAGGCTTTTCTATCCC 2121
Qy 1261 ATTAATGCTTGCAGAAAAGCTTGAAGAACAGAGAGACTGGATCAGCTTTGCCCTCA 1320
Db 2122 ATTAATGCTTGCAGAAAAGCTTGAAGAACAGAGAGACTGGATCAGCTTTGCCCTCA 2181
Qy 1321 GAAAAGTTATTTATGATAGAAATCTCACTACCACATCATGA 1362
Db 2182 GAAAAGTTATTTATGATAGAAATCTCACTACCACATCATGA 2223

RESULT 4
US-09-793-998-7
; Sequence 7, Application US/09793998
; Patent No. US20020045202A1
; GENERAL INFORMATION:
; APPLICANT: KORCZAK, BOZENA
; APPLICANT: LEW, APRIL
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1,6-N-ACETYLGLYCOSAMINYLTRANSFERASE
; FILE REFERENCE: GLYCO-16
; CURRENT APPLICATION NUMBER: US/09/793,998
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/185,702
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 1368
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-793-998-7

Query Match 69.7%; Score 949; DB 9; Length 1368;
Best Local Similarity 81.5%; Pred. No. 3.9e-261;
Matches 1112; Conservative 0; Mismatches 250; Indels 3; Gaps 1;
Qy 1 ATGAGATATTCAAATGTTATTTTAAACATACCCCTACAGACAGAAAGTTTTCATCTGTTT 60
Db 1 ATGAGATATTCAGATGTTGCTTTTAAATACACTCTCCAGACAGAAACTTTTCATCTCCTC 60
Qy 61 TTAACCTATGCTGCTCTCTTTGTTTAAAGCTTCTTAAATGTG---AGACGACTCTTTCCG 117
Db 61 TTAACCTGTGGCTGTTCTCTCTTTGTAAGCTCTTAAATGTGCGGAGGCTCTCTCTCCCT 120
Qy 118 CAAAAGACATTTACTTGGTTAGTACTCCCTTAAGTACCTCCCTTTTGTAAAGAACAGA 177
Db 121 CAAAAGACATTTACTTGGTTAGTACTCCCTTAAGTACATCACCATTGTGAGGAAACAG 180
Qy 178 TACACTCATGTTAAGGATGAAGTCAGGTATGAAGTTAACTGTTTCGGGTATCTATGAACAG 237
Db 181 TTCCCCGAGCTCGGGATGAGCCAGGGACAGGTAACTGCTCGGGGGTCTACGAGCAC 240

Qy 238 GAGCCTTTGGAAATTTGAAAGAGTCTCGAAATTAAGAAAGGAGGACATCATTTGATTTGGAG 297
Db 241 GAGCCTTTGGAAATTCGCAAGAGTCTAGAAATCAGAAGACGAGCATCATCGATTTGGAG 300
Qy 298 GATGATGATGTTGTGGCAATGACACAGTGAATGTGACATTTATCAGACTCTTAAGAGGTAT 357
Db 301 GACGGTGAATGTCGTGGCGATGACAAAGTGAATGTGACGTTTATCAGACCTTAAGCAGTAC 360
Qy 358 GCTCAAAAGCTTTGCTCAAAAGGAGGAGAAAGCTTCCCAATAGCCTATTCTTTGGTTGTC 417
Db 361 CATGAAAAGCTTGGTTTCAAGGGAGGAGGACTTCCCATAGCCTATTCTCGTGGTGGTC 420
Qy 418 CACAAGATGCAATTAATGTTGAAAGGCTTATCATGCTATATACAAACAGCAGCAATATT 477
Db 421 CACAAGATGCAATTAATGTTGAGCGGTGATCGAGCTATTATACAAACAGCAGCAATATT 480
Qy 478 TACTGATCCATTAATGATCGTAAGGCACTGATACCTTCAAAGTTCGCGATGAACAATTTA 537
Db 481 TACTGATCCATTAATGATCGTAAGGCACTGATACCTTCAAAGTTCGCGATGAACAATTTA 540
Qy 538 GCTAAGTCTTCTCCAAATATTTTCATTTGCTTCCAAATTAAGAGCTGTGGAATATGCCAC 597
Db 541 GCTAAGTCTTCTCCAAATATTTTCATTTGCTTCCAAATTAAGAGCTGTGGAATATGCCAC 600
Qy 598 ATTTCCAGACTCCAGGCTGATTTAAATTTGCTTGTGCGACCTTCTGAAGTCTTCAATCCAG 657
Db 601 ATATCCAGGCTCCAGGCGGATTTGGAATGCTTATCAGACCTCTCAAGTCTTCCGTTCCAG 660
Qy 658 TGGAAATATGTTTCAACTTGTGTGGGCAAGATTTTCCCTGGAAGTCAAATTTTGAATTTG 717
Db 661 TGGAAATATGTTTCAACTTGTGTGGGCAAGATTTTCCCTGGAAGTCAAATTTTGAATTTA 720
Qy 718 GTGTCAGAGTTGAAAAAATCAATGGAGCAAAATATGTTGGAGCGGTGAAACCCCAAC 777
Db 721 GTGTCAGAGTTGAAAAAATCAATGGAGCAAAATATGTTGGAGCGGTGAAACCCCAAC 780
Qy 778 AGTAATTTGGAAGATTCATCTTACCATCATGAACTTAGACGGGTGCTTATGATATG 837
Db 781 GCTAAGACGAGAGGTTTCACTTACCATCATGAGCTCAGACAGGTGCTTATGATATG 840
Qy 838 AAGCTTACCAATAAGGACAAACATCTCCAAGGAAGACACCCCCCAATCAATTCAGATATT 897
Db 841 AAGCTTACCAATAAGGACAAACATCTCCAAGGGGACACCCCTCATTAACATTCAGGATTT 900
Qy 898 GTTGCAGTCTTATTTGTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAATCC 957
Db 901 GTGGGAGTGGCTTATTTGTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAGCTCC 960
Qy 958 ATCGTTCAAGACTTTTGTGCTGCTTAAAGACACATCTCTCTGATGAGCACTTTTGG 1017
Db 961 CTCGTTGAAGACTTTTGTGCTTAAAGTACATATTCTCTGACGAGCACTTTTGG 1020
Qy 1018 GCTACCTTGAATCGGTTTCCAGGAATACCTGGGAGATTTCCAGATCAGCCAGGATG 1077
Db 1021 GCCACTTAAATCCGATACCAAGGAATACCCGGGGAATTTCCAGTTCATCTCAGGACG 1080
Qy 1078 TCTGATCTCAGAGTAAAGACCTGCTTGTCAAGTGAATTAATGAGGCTTTTCTAT 1137
Db 1081 TCTGATCTCAGAGTAAAGACCTGCTTGTCAATGTTTATCAGAGGCTTTCTCTAC 1140
Qy 1138 CCCAGTGTCTGAGTCTCACCTTTCGAGGCTGTGTTATTTATGAGCTGCAGAAATTAAG 1197
Db 1141 CCCAATTTGCACTGGCTCTCACCTTTCGAGGCTGTGTTATTTACGAGCTGCAGAACTAC 1200
Qy 1198 TGGCTTATCAAGATGGAATTTGTTGCTTAAATTAATTTTGAATTTTGAAGTGGACCTATC 1257
Db 1201 TGGCTTCTTAAAGAGGCAATTTGTTTCTTAAAGTGTGTTTCTTAAAGTGGACCTATC 1260
Qy 1258 TTGATTAATGCTTGGCAGAAAAGCTTGAAGAACAGCAGAGAGACTGGATCACTTTGCC 1317
Db 1261 TTGATGAATGCTGGCAGAAAAGCTTGAAGAACAGCAGAGAGAGTGAATTTGTTGTTGCT 1320
Qy 1318 TCAGAAAAGTTATTTATGATAGAAATCTCACTACCACATCATGA 1362

Db
1321 TCAGAGAAGTTTCATGACAGAGGGACCCGCCAAAGCCACACATTA 1365

RESULT 5

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US-09-793-998-1
/ Sequence 1, Application US/09793998
/ Patent No. US20020045202a1
/ GENERAL INFORMATION:
/ APPLICANT: KORCZAK, BOZENA
/ APPLICANT: LEW, APRIL
/ TITLE OF INVENTION: NOVEL CORE 2 BETA-1,6-N-ACETILGLYCOSAMINYLTRANSFERASE
/ TITLE OF INVENTION: GENE
/ FILE REFERENCE: GLYCO-16
/ CURRENT APPLICATION NUMBER: US/09/793,998
/ CURRENT FILING DATE: 2001-02-28
/ PRIOR APPLICATION NUMBER: 60/185,702
/ PRIOR FILING DATE: 2000-02-29
/ NUMBER OF SEQ ID NOS: 11
/ SOFTWARE: Patent in Ver. 2.1
/ SEQ ID NO 1
/ LENGTH: 717
/ TYPE: DNA
/ ORGANISM: Unknown Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Unknown Sequence: DNA sequence of human or
/ OTHER INFORMATION: mouse core 2c
/ NAME/KEY: modified_base
/ LOCATION: (177)
/ OTHER INFORMATION: a, t, c, g, other or unknown
/ NAME/KEY: modified_base
/ LOCATION: (675)
/ OTHER INFORMATION: a, t, c, g, other or unknown
/ US-09-793-998-1

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Query Match	23.0%;	Score	312.6;	DB	9;	Length	717;
Best Local Similarity	87.2%;	Pred. No.	8.7e-79;				
Matches	342;	Conservative	0;	Mismatches	50;	Indels	0;
						Gaps	0;
QY	892	ATATTGTTGGCAGTCGCTATTATTTGTTTAAAGTCAAGCATTTGTTAAATATATATTTCAC	951				
Db	1	ATATTGTTGGCAGTCGCTATTATTTGTTGTAAGTCAAGCATTTGTTAAATATATATTTCAC	60				
QY	952	AACTCCATCGTTCAAGACTTTTTTTGCTCGTCTTAAAGACACATATCTCTCTGATGAGCAC	1011				
Db	61	AACTCCATCGTTCAAGACTTTTTTTGCTCGTCTTAAAGACACATATCTCTCTGATGAGCAC	120				
QY	1012	TTTTGGGCTACCTTGATTCGGGTTCCAGGAATACCTGGGGAGATTTCCAGATCAGCCCG	1071				
Db	121	TTTTGGGCTACCTTGATTCGGGTTCCAGGAATACCTGGGGAGATTTCCAGATCAGCCCG	180				
QY	1072	GATGTGCTCTGATCTGCAGAGTAAGACTCGCCTTGTCACGTGGAATTACTATGAAGGCTTT	1131				
Db	181	GATGTGCTCTGATCTGCAGAGTAAGACTCGCCTTGTCACGTGGAATTACTATGAAGGCTTT	240				
QY	1132	TTCTATCCAGTTGTACTGGATCTCACCTTCGAAGCGTGTGTATTTATGGAGCTGCAGAA	1191				
Db	241	TTCTATCCAGTTGTACTGGATCTCACCTTCGAAGCGTGTGTATTTATGGAGCTGCAGAA	300				
QY	1192	TTAAGTGGCTTATCAAAGATGGAACATGGTTTGCTTAATAAAATTTGATTTCTAAGGTGGAC	1251				
Db	301	TTGAATTGGATGCTTCAGAGCCATCACCATGATGCGCCAAACAGTTTGACGTAAACGTAGAT	360				
QY	1252	CCCTATCTTGATTAATATGCTTGGCGAGAAAGCT	1283				
Db	361	GAAATATGCTCTTCAGTGTCTAGCAGATACCT	392				

RESULT 6

[illegible]

QY 1037 CAGGAATACCTGGGGAGATTCCAGATCAGCCAGGATG---TGTCTGATCTGCAGAGTA 1093
Db 923 GGTGGATGCTGGCTGTCTCCCAACCCCAAGTACGACATCTCAGACATGACTTCTA 982
QY 1094 AGACTCGCTTGTCAAGTGGAAATTAATTAAGGCTTTTCTATCCAGT----- 1143
Db 983 TTGCCAGGCTGTCAAGTGGCAGGCTCATGAGGAGACATCGATAAGGCTCTCTATG 1042
QY 1144 -----TGTACTGTGATCTCACTTCAAGGCTGTGATTTATGAGAGCTGCAGANTTAAGT 1198
Db 1043 CTCCTCGCTCTGGAATCCACAGCGGCTATCTGCGTTTATGGGCTGGGACTTGAAT 1102
QY 1199 GGCCTTATCAAGATGAGACATGCTGTTTGTCTATAAATTTGATTTAAAGTGGACCTTCT 1258
Db 1103 GATGCTTCAAAACCACTACCTGTTGGCCACAGATTGACCCAAAGGTAGATGATG 1162
QY 1259 TGATTAATGCTTGGCAGAAAGCT 1283
Db 1163 CTCTTCAGTCTTAGAAGATACCT 1187

RESULT 7
US-09-797-207-1
; Sequence 1, Application US/09797207
; Patent No. US20020098563A1
; GENERAL INFORMATION:
; APPLICANT: KORCZAK, BOZENA
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
; FILE REFERENCE: GENE
; CURRENT APPLICATION NUMBER: US/09/797, 207
; EARLIER FILING DATE: 2001-03-02
; EARLIER APPLICATION NUMBER: 09/495,913
; EARLIER FILING DATE: 2000-02-02
; EARLIER APPLICATION NUMBER: 60/118,674
; EARLIER FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1317
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: DNA
US-09-797-207-1

Query Match 14.1%; Score 191.8; DB 9; Length 1317;
Best Local Similarity 52.5%; Pred. No. 5.6e-44;
Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;
QY 317 TGACCAAGTATTGACATTTATCAGACTTAAGAGTTATGCTCAAAAGCTTGTCTCAA 376
Db 317 TCACCAAGAGCTGTGAGCACTTCAAGGCTGAAAGAGTTATACAGATTCCCACTGAGCA 376
QY 377 AGGAGAGAAAGCTTCCCAATAGCTATTCTTGGTGTCCACAAAGATGCAATTATGG 436
Db 377 AAGAGAGGTGGAGTTCCCTATTGTGATCTCTATGGTGAATTCATGAGAGATTGAAACT 436
QY 437 TTGAAGGCTTATCCATGTATATACCAACGACACAAATTTATGTCATCCATTAATGATC 496
Db 437 TTGAAGGCTTACTCGAGCTGTGTATGCTCCCTCAGACATATATCTGTCTCCATGTGGATG 496
QY 497 GTAAGGCACCTGATACCTTCAAGATTGCCATCAAAATTTAGCTTAAGTCTTCCCAATA 556
Db 497 AGAAGTCCCAGAAATTTCAAGAGGGGCTCAAGCAATTTCTTCTGCTTCCCAATG 556
QY 557 TTTTCATGCTTCCAAATTAGAGGCTGTGGAATATGCCCAATTTCCAGACTCCAGGCTG 616
Db 557 TCTTCATAGCAGTAAGCTGTTGGGTGTTTATGCTCTCTGCTCCAGGCTGCAAGCTG 616
QY 617 ATTAAATGCTTGTGGACCTTCTGAGTCTTCAATCCAGTGGAAATGATTTATCACT 676

Db 617 ACCTCAACTGCATGGAAGACTTGTCTCAGAGCTCAGTGGCTGGAATATCTCTCGAATA 676
QY 677 TGTGGGCAAGATTTTCCTCCTGAAGTCAAAATTTGAATTTGGTGTGAGAGTTGAAAAAAC 736
Db 677 CATGTGGGACGCACTTTCTTATAAAGAGCAATGACAGAGATGTCTCCAGGCTCTCAAGATGT 736
QY 737 TCAATGGAGCAAAATATCTTGGAGACGCTGAAACCCCAACACAGTAAATTTGGAAGATTCA 796
Db 737 TGAATGGAGGAAATAGCATGGAGTCAAGGTACTCTTAAGCACAAGAAACCCGCTGGA 796
QY 797 CTTACCATCATGAATTTAGACGGTGTCTTATGAATGTGAAGCTACCAATAAGGACAA 856
Db 797 AATATCATTTTGGGTAGTGAAGACACATTACAC-----CTAACCA 838
QY 857 ACATCTCCAGGAGACACCCCCCATTAACATTTGTTGGCAGTGTCTTATTTTG 916
Db 839 ACAAGAGAGGATCTCCCTCTTATTAATTTAACTATGTTTACAGGGAATGCTACATTTG 898
QY 917 TTTTAAGTCAAGCATTTGTTAAATATATTTTCAACAACTCCATCGTTCAAGACTTTTTTG 976
Db 899 TGGCTTCCGAGATTTCTGTCACATGTTTGAAGAACCTTAATCCCAACACTGATTTG 958
QY 977 CTTGCTTAAGACACATACTCTCCTGATGAGCAGCTTTTGGGCTACTTGAATTCGGGTTTC 1036
Db 959 AATGGTAAAGACACTTATAGCCAGATGAACACCTCTGCGGCCACCTTCAGCGTGCAC 1018
QY 1037 CAGGAATACCTGGGGAGATTTCAGATCAGCCAGGATG---TGTCTGATCTGCAGAGTA 1093
Db 1019 GGTGATGCTTGGCTCTGTTCCCAACCCCAAGTACGACATCTCAGACATGACTTCTA 1078
QY 1094 AGACTCGCTTGTCAAGTGGAAATTAATTAAGGCTTTTCTATCCAGT----- 1143
Db 1079 TTGCCAGGCTGTTCAGTGGCAGGCTATGAGGAGACATCGAATAAGGCTGTCTCTTATG 1138
QY 1144 -----TGTACTGTGATCTCAGCTTCCAGGCTGTGTATTTATGGAGCTGCAGAAATTAAGT 1198
Db 1139 CTCCTGCTCTGGAATCCACAGCGGCTATCTGCTTTATGGGCTGGGACTTGAAT 1198
QY 1199 GCGTTATCAAGATGGAACATTTGCTGCTTAATTAATTTGATTTAAGTGGAGCCCTATCT 1258
Db 1199 GATGCTTCAAAACCATCAGCTGTTGGCCAAAGTTTGACCCAAAGGTAGATGATAATG 1258
QY 1259 TGATTAATGCTTGGCAGAAAGCT 1283
Db 1259 CTCTTCAGTCTTAGAAGATACCT 1283

RESULT 8

US-10-388-307-14
; Sequence 14, Application US/10388307
; Publication No. US20030180778A1
; GENERAL INFORMATION:
; APPLICANT: Schwiensek, Tilo
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UPD-N-Acetylglucosamine;
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglucosamine-alpha-R / (GlcNAc
; TITLE OF INVENTION: to GalNAc) beta1,6-N-Acetylglucosamineyltransferase, C2Gnt3
; FILE REFERENCE: 4503/1G031
; CURRENT APPLICATION NUMBER: US/10/388,307
; CURRENT FILING DATE: 2003-03-13
; PRIOR APPLICATION NUMBER: US/09/645,192
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/150,488
; PRIOR FILING DATE: 1999-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 1317
; TYPE: DNA
; ORGANISM: Human
US-10-388-307-14

Query Match

14.1%; Score 191.8; DB 13; Length 1317;

[illegible]

RESULT 9

```

US-10-084-406-14
; Sequence 14, Application US/10084406
; Publication No. US20030054525A1
; GENERAL INFORMATION:
; APPLICANT: Schwientek, Tilo
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylgalactosamine-alpha-R / (GlcNAc
; TITLE OF INVENTION: to GalNAc) beta1,6-N-Acetylglucosaminyltransferase, C2GnT3
; FILE REFERENCE: 4503/IG031
; CURRENT APPLICATION NUMBER: US/10/084,406
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 09/645,192
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 1317
; TYPE: DNA
; ORGANISM: Human
US-10-084-406-14

```

Query Match	14.1%	Score 191.8	DB 15	Length 1317
Best Local Similarity	52.5%	Prod. No. 5.6e-442		
Matches 517	Conservative 0	Mismatches 432	Indels 36	Gaps 3
QY	317	TCACAGTGATTGTGACATTTATCAGACTCTAAGAGGTTATGCTCAAAAGCTTGCTCTCAA	376	
DB	317	TCACAGAGACTGTGAGCACTTCAAGGCTGAAGGAAGTTCATACAGTTCACCTGAGCA	376	
QY	377	AGGAGGAGAAAGCTTCCCAATAGCCCTATCTTTGGTTGTCCAAAGATGCAATATG	436	
DB	377	AAGAAGAGGTGGAGTTCCCTATTGCACTCTCATGGTCAATCATGAGAAGATTGAAACT	436	
QY	437	TTGAAAGGCTTATCCATGCTATATACAAACAGACAATATTTACTGCAATCCATTATGATC	496	
DB	437	TTGAAAGGCTACTGCGAGCTGTGTATGCCCCCTCAGACATATATGTTGTCATGTGATG	496	
QY	497	GTAAGGCACTGTATACCTTCAAAGTTGCCATGACACATTTAGCTTAAGTCTTCTCAATA	556	
DB	497	AGAAAGTCCCCAGAAACTTTCAAAGAGCGCGTCAAAGCAATATTTCTTGGTTCCCAATG	556	
QY	557	TTTTTCATTGCTTCCAAATTAGAGGCTGTGGAATATGCCCAATTTCCAGACTCCAGGCTG	616	
DB	557	TCTTCATAGCACTAAGCTGGTTGGGTGGTTATGGCTCTGTTGTCAGGGTGCAGCTG	616	
QY	617	ATTTAAATTCGTTGTGGAGCTTCTGAAGCTTTCAATCCAGTGGAAATATGTTATCAACT	676	
DB	617	ACCTCAACTGCATGGAGACTTCTCTCCAGAGCTCAGTGCCTGGAAATATCTCTCTGATA	676	
QY	677	TGTTGGGCAAGATTTTCCCTCGAAGTCAAAATTTTGAATTTGGTGTCCAGAGTTGAAAAAC	736	
DB	677	CATGTGGAGCGACTTTCTATATAAGACAAATGCGAGATGTTCCAGGCTCTCAGATGT	736	
QY	737	TCATPGAGCAATATGTTGGAGACGGTGAACACCCCAACAGATAAATGGAAAGTTCA	796	
DB	737	TGAATGGAGGAATAGCATGGAGTCCAGAGGTACCTCTTAAGCACAAAGAAACCCGCTGGA	796	
QY	797	CTTACCAATCACTTAGACGGTGCCTTATGAATATGTGAAGCTACCAATAGGACAA	856	
DB	797	AAATTCATTTTGAAGTAGTGAGAGACAAATATAC-----CTAACCA	838	
QY	857	ACATCTCCAGGAAGCACCCCCCAATAACATTCAGATATTTGTTGGCAGTCTTATTTG	916	
DB	839	ACMAGAAGAGATTCCTCCCCCTTATAATTTAACTATGTTACAGGGAATGCGTACATG	898	
QY	917	TTTTAAGTCAAGCATTTGTTAAATATATTTTCAACAATCCATCGTTCAAGACTTTTTT	976	
DB	899	TGGCTTCCGAGATTTCGTCCACATGTTTGAAGAACCTTAATCCCACTGATG	958	
QY	977	CTGTCTPAAAGACATACCTCTCTCGATGAGCACTTTTGGGTACCTTGATTCGGGTT	1036	
DB	959	AATGGTTAAAGACATTTATAGCCCCAGATGAACACCTCTGGGCCACCCCTTCAGGGTGCAC	1018	

QY 1037 CAGGAATFACCTGGGAGATTTCAGATCAGCCAGGATG---TGTCTGATCTGCAGAGTA 1093
Db 1019 GGTGGATGCTGCTGTGTTCCCAACACCCCAAGTAAGACATCTCAGACATGACTTCTA 1078
QY 1094 AGACTGCGCTTGTCAAGTGAATTACTATGAGGCTTTTCTATCCAGT-----1143
Db 1079 TTGCCAGGCTGGTCAAGTGGCAGGTCATGAGGGAGACATCATGAAGGCTGCTCTTATG 1138
QY 1144 -----TGTACTGGATCTCACCTTCGAAGCGTGTGTATTTATGAGCTGCAGAAATTAAGGT 1198
Db 1139 CTCCTGCTCTGAATCCACAGCGGCTATCTGCGTTTATGGGCTGGGACTTGAATT 1198
QY 1199 GCGTTATCAAGATGACATCTGTTGCTTAATAATTTGATTTCTAAGTGGACCTTACT 1258
Db 1199 GGATGCTTCAAAACCATCACCTGTTGGCAACAAGTTTGACCAAGGTAGATGATAATG 1258
QY 1259 TGATTTAAATGCTTGGCAGAAAAGCT 1283
Db 1259 CTCTTCAGTCTTAGAAGATACT 1283

RESULT 10
US-09-797-207-3
; Sequence 3, Application US/09797207
; Patent No. US20020098563A1
; GENERAL INFORMATION:
; APPLICANT: KORZAK, BOZENA
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
; FILE REFERENCE: GLYCO-7P1
; CURRENT APPLICATION NUMBER: US/09/797,207
; EARLIER FILING DATE: 2001-03-02
; EARLIER APPLICATION NUMBER: 09/495,913
; EARLIER FILING DATE: 2000-02-02
; EARLIER APPLICATION NUMBER: 60/118,674
; EARLIER FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2108
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: DNA
US-09-797-207-3

Query Match 14.1%; Score 191.8; DB 9; Length 2108;
Best Local Similarity 52.5%; Pred. No. 7.4e-44;
Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;

QY 317 TGACCACTGATTGTGACATTTATCAGACTCTAAGAGGTTATGCTCAAAAGCTTGTCTCAA 376
Db 584 TCACCAGAGACTGTGAGCACTTCAAGGCTGAAAGGAAGTTCTACAGTTCCTCACTGAGCA 643
QY 377 AGGAGGAGAAAGCTTCCCAATAGCTATCTTCTGTTGTCACAAAGATGCAATTATGG 436
Db 644 AAGAAGAGGTGGAGTTCCTTATGTCATCTCTATGTTGTTATGATGAGAGATGGAAGT 703
QY 437 TTGAAAGGCTTATCCATGCTATATACCAACAGCAGCAATAATTTTACTGTCATCCATTATGTC 496
Db 704 TTGAAAGGCTACTCGAGCTGTGTATGCTCCCTCAGAACATATCTGTCTCATGGGATG 763
QY 497 GTAAGGCACTGATACCTTCAAGATTGCCATGACATTTAGTAAAGTCTTCCATATA 556
Db 764 AGAAGTCCCCAGAACTTTCAAGAGCGGCTCAAGCAATATTTCTTGTCTCCCAATG 823
QY 557 TTTTTCATTGCTTCCAAATTAGAGGCTGTGGAATATGCCCCACATTTCCAGACTCCAGGCTG 616
Db 824 TCTTCATAGCCAGTAAGCTGTTGCGGTGTTATGCTCTCCCTGCTGGTCCAGGCTGCAAGCTG 883
QY 617 ATTAAATTCGTGTCGGACCTTCTGAAGTCTTCAATCCAGTGGAAATATGTTATCACT 676

Db 884 ACCTCAACTGCATGGAAGACTTGTCTCAGAGCTCAGTGCCTGGAAATACTTCTCTGAATA 943
QY 677 TGTGTGGGCAAGATTTTCCCTGAAAGTCAAAATTTTGAATTTGGTGTCTCAGAGTTGAAAAAAC 736
Db 944 CATGTGGAGCGGACTTTCCTATAAAGGCAATGATGAGATGGTCCAGGCTCTCAAGATGT 1003
QY 737 TCAATGGAGCAAAATATGTTGGAGACGGTGAACCCCAACAGTAATTTGGAAGATTTCA 796
Db 1004 TGAATGGGAGGAATAGCATGTGAGTCAAGAGGTACCTCTAAAGCACAAAGAAACCCGCTGGA 1063
QY 797 CTTTACCATCATGAACCTTAGACGGGTGCTTATGATATATGTGAAGCTACCAATAAGGACAA 856
Db 1064 AATATCACTTTGAGGTAGTGAGACACATTTAC-----CTAACCA 1105
QY 857 ACATCTTCAAGGAAGCACCCCCCATAACTATTCAGATATTTGTTGGCAGTGTCTTATTTTG 916
Db 1106 ACAAGAAGAAGGATCCTCCCTCTTATAATTTAACTATGTTTACAGGGAATGCGTACATTG 1165
QY 917 TTTTAAAGTCAAGCATTTTGTAAATATATTTTCAACAACTCCATCGTTCAAGACTTTTITG 976
Db 1166 TGGCTTCCGAGATTTGTCACATGTTTGAAGAACCCTTAATCCCAACTGATTG 1225
QY 977 CCTGCTTAAAGACACATCTCTCTGATGAGCACTTTTGGGCTACCTTGAATCGGGTTC 1036
Db 1226 AATGGTAAAGACACTTATAGCCAGATGAACACCTCTGGGCCACCTTCAGCGTGCAC 1285
QY 1037 CAGGAATACCTGGGAGATTTCCAGATCAGCCCAAGGATG---TGTCTGATCTGCAGAGTA 1093
Db 1286 GTGATGCTGCTGGCTCTGTTCCCAACACCCCAAGTAGACATCTCAGACATGACTTCTA 1345
QY 1094 AGACTGCGCTTGTCAAGTGGAAATTTACTATGAAGGCTTTTCTATCCAGT-----1143
Db 1346 TTGCAGGCTGTCTCAAGTGGCAGGCTCATGAGGAGACATCGATAGGGTGTCTCTTATG 1405
QY 1144 -----TGTACTGGATCTCACCTTCAAGCGTGTGTTATGAGCTGCAGAGTAAAGT 1198
Db 1406 CTCCTGCTCTGGAATCCACCGCGGCTATCTGCGTTTATGGGCTGGGGACTTGAAT 1465
QY 1199 GCGTTATCAAGATGGACATTTGTTGCTAATAATTTGATTTCTAAGGTGGACCTTATCT 1258
Db 1466 GGATGCTTCAAAACCATCACCTGTTGGCCAAAGTTTGACCAAGGTAGATGATAATG 1525
QY 1259 TGATTAATGCTTGGCAGAAAAGCT 1283
Db 1526 CTCCTTCAAGTCTTAGAAGATACT 1550

RESULT 11

US-09-981-353-43
; Sequence 43, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 43
; LENGTH: 2147
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2921009CB1
US-09-981-353-43

Query Match 14.1%; Score 191.8; DB 10; Length 2147;
Best Local Similarity 52.5%; Pred. No. 7.5e-44;
Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;

QY 317 TGACCAAGTGTGACATTTATCAGACTCTAAGAGGTTATGCTCAAAAGCTTCTCAA 376
Db |||||
QY 683 TCACCAAGACTGTGAGCACTTCAAGGCTGGAAGAGTTCATACAGTTCACCTGACGA 742
Db |||||
QY 377 AGGAGAGAAAAGCTTCCCAATAGCTATTTCTTTGGTTGTCCACAAAGATCAATATTAG 436
Db |||||
QY 743 AAGAAGAGTGGAGTTCCCTATTGTCATCTCTATGGTGATTCATGAGAAGATTGAAACT 802
QY 437 TTGAAGGCTTATCCATGTATATACACAGGCAATATTACTGCAATCAATATTATGATC 496
Db |||||
QY 803 TTGAAGGCTTATCCAGCTGTGTATGCGCTTCAAGCAATATATCTGTGTCATGATG 862
QY 497 GTAAGGCACTGTATCTTCAAGAGTTGCGATCAAAATTTAGCTAAGTGTCTTCCCAATA 556
Db |||||
QY 863 AGAAGTCCCAAGAACTTTCAAGAGGCGGTCAAGCAATATTCTTCTTCCCAATG 922
QY 557 TTTTCAATGCTTCCCAATTAGAGGCTGTGGAATATGCCCCCAATTTCCAGACTCCAGGCTG 616
Db |||||
QY 923 TCTTCATGCGCAAGTGTGCTGCGGTGGTTATGCTCTCCCTGCTCCAGGCTGCAAGCTG 982
QY 617 ATTAAATGCTTGTGCGACCTTCTGAAGTCTTCAATCCAGTCAAGATATGTTATCAACT 676
Db |||||
QY 983 ACCTCACTGCTAGAGACTTGTCCAGACTGAGTCCGCTGGAATATCTTCTGATA 1042
QY 677 TGTGCGGCAAGATTTTCCCTGAAAGTCAAAATTTTGAATTTGGTGTCAAGTTGAAAAAC 736
Db |||||
QY 1043 CATGTGCGGACGACTTCTTATAAGAGCAATGCGAGAGTGTCCAGGCTCTCAAGATG 1102
QY 737 TCAATGCGCAAAATATGTTGGAGCGGTGAACCCCAACAGTAATTTGGAAGATTCA 796
Db |||||
QY 1103 TGAATGGAGGAATAGCATGGAGTCAAGAGTACCTCTTAAGCAAAAGAACCCGCTGGA 1162
QY 797 CTTPACCATCATGAACCTTAGACGGGTGCCTTATGAATATGTGAAGCTACCAATAGGACAA 856
Db |||||
QY 1163 AATATCACTTTGAGGTAGTGAGAGACACATTACAC-----CTAACCA 1204
QY 857 ACATCTCCAAGAGACACCCGCCCAATACATTCAGATATTTGTTGGAGTGTCTTATTTTG 916
Db |||||
QY 1205 ACAAGAAGAGGATCTCCCTCTTATTTTAACTATGTTTACAGGGAATGCGTACATTG 1264
QY 917 TTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAACTCCATCGTTCAAGACTTTTTT 976
Db |||||
QY 1265 TGGCTTCCCGAGATTTCTGTCACACATGTTTGAAGACCTTAATCCCAACACTGATTG 1324
QY 977 CTGTGCTTAAAGACACATCTCTCTGATGAGCACTTTTGGGCTACCTTGATTGCGGTT 1036
Db |||||
QY 1325 AATGGGTAAGACACATTTATAGCCAGATGAACACCTCTGGGCGCACCTTCAAGCTGCAC 1384
QY 1037 CAGGAATACCTGCGGAGATTTCCAGATCAGCCAGGATG---TGCTGTGATCTGCAGATA 1093
Db |||||
QY 1385 GGTGGATGCTGGCTGTGTTCCCAACACCCCAAGTACGACATCTCAGACATGACTTCTA 1444
QY 1094 AGACTCGCTTGTCAAGTGGAAATTAATGAAGGCTTTTCTATCCAGT----- 1143
Db |||||
QY 1445 TTGCCAGGCTGTCAAGTGGCAGGCTCATGAGGAGACATCGATAAGGCTGCTCTTATG 1504
QY 1144 -----TGTAAGTGTCTTCAAGCTGTGTTATTTAGAGCTGCGAGATTTAGGT 1198
Db |||||
QY 1505 CTCCCTGCTCTGGAATCACCAGCGGGTATCTCGGTTTATGCGGCTTGGGACTTGAAT 1564
QY 1199 GGTATCAAGATGGACATTTGTTTGTCTAATAATTTGATTTCAAGGTCGACCTTATCT 1258
Db |||||
QY 1565 GGATGCTTCAAAACCATCACCTGTTGGCAACAGTTTGGCCCAAGGTATGACCAAGGTAGATAATG 1624
QY 1259 TGAATTAATGCTTGGCAAGAGCT 1283
Db |||||
QY 1625 CTCTTCAGTGTGTAAGAATACT 1649

RESULT 12

US-09-925-297-337

; Sequence 337, Application US/09925297

Patent No. US20020081659A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA105
CURRENT APPLICATION NUMBER: US/09/925/297
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05989
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 928
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 337
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (2208)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (2216)
OTHER INFORMATION: n equals a,t,g, or c
US-09-925-297-337

Query Match 14.18; Score 191.8; DB 9; Length 2229;
Best Local Similarity 52.58; Pred. No 7.7e-44;
Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;

QY 317 TGACCAAGTGTGACATTTATCAGACTCTAAGAGGTTATGCTCAAAAGCTTCTCAA 376
Db 743 TCACCAAGACTGTGAGCACTTCAAGGCTGGAAGAGTTCATACAGTTCACCTGACGA 802
QY 377 AGGAGGAGAAAAGCTTCCCAATAGCTTATTTCTTTGGTTGTCCACAAAGATCAATATTAG 436
Db 803 AAGAAGAGTGGAGTTCCCTATTGTCATCTCTATGGTGATTCATGAGAAGATTGAAACT 862
QY 437 TTGAAGGCTTATCCATGTATATACAAACAGCAATATTTACTGCAATTTATGATC 496
Db 863 TTGAAGGCTTATCCAGCTGTGTATGCGCTTCAAGCAATATATCTGTGCTCATGTTGGATG 922
QY 497 GTAAGGCACTGTATCTTCAAGAGTTGCGATCAAAATTTAGCTAAGTGTCTTCCCAATA 556
Db 923 AGAAGTCCCAAGAACTTTTCAAGAGGCGGTCAAGCAATATTCTTCTTCTTCCCAATG 982
QY 557 TTTTCAATGCTTCCCAATTAGAGGCTGTGGAATATGCCCCCAATTTTCCAGACTCCAGGCTG 616
Db 983 TCTTCATAGCAGTAAGCTGTTTGGGTGCTTTATGCTCTTCCCTGCTCCAGGCTGCAAGCTG 1042
QY 617 ATTTAAATGCTTGTGCGACCTTCTGAAGTCTTCAATCCAGTCAAGATATGTTATCAACT 576
Db 1043 ACCTCACTGCTAGAGACTTGTCTCCAGGCTCAGTCCGCTGGAATATCTTCTTGAATA 1102
QY 677 TGTGCGGCAAGATTTTCCCTGAAAGTCAAAATTTTGAATTTGGTGTCAAGTTGAAAAAC 736
Db 1103 CATCTGGAGCGGACTTCTTATTAAGAGCAATGCAAGAGTGTCCAGGCTCTCAAGATG 1162
QY 737 TCAATGAGCAAAATATGTTGGAGCGGTGAACCCCAACAGTAATTTGGAAGATTCA 796
Db 1163 TGAATGGAGGAATAGCATGGAGTCAAGAGTACCTCTTAAGCAAAAGAACCCGCTGGA 1222
QY 797 CTTAACCATCATGAACCTTAGAGCGGTGCTTATGAATATGTGAAGCTTACCAATAAGGACAA 856
Db 1223 AATATCACTTTGAGGTAGTGAGAGACACATTACAC-----CTAACCA 1264
QY 857 ACATCTCCAAGAGACACCCGCCCAATACATTCAGATATTTGTTGGAGTGTCTTATTTTG 916
Db 1265 ACAAGAAGAGGATCTCCCTCTTATTTTAACTATGTTTACAGGGAATGCGTACATTG 1324
QY 917 TTTTAAAGTCAAGCATTTGTTAAATATATTTTCAACAACTCCATCGTTCAAGACTTTTTT 976
Db 1325 TGGCTTCCCGAGATTTCTGTCACACATGTTTGAAGACCTTAATCCCAACACTGATTG 1384

QY 977 CCTGGCTAAAGACACATACCTCTCTGATGAGCAGCTTTTGGGCTACCTTGATTCGGGTTTC 1036
Db 1385 AATGGGTAAAGACACCTTATAGCCAGATGAACACCTCTGGGCCACCTCTCAGCGTGCCAC 1444
QY 1037 CAGGATACCTGGGGAGATTTCCAGATCAGCCAGGATG---TGTCTGATCTGCAGAGTA 1093
Db 1445 GGTGGATGGCTGGCTCTGTTTCCCAACCCAGGATGACGACATCTCAGACATGATCTTCTA 1504
QY 1094 AGACTGCGCTTGTCAAGTGAATTAATGTAAGGCTTTTTCTATCCCACT----- 1143
Db 1505 TTGCGAGGCTGGTCAAGTGGCAGGCTCATGAGGAGACATGATAAGGCTGCTCTTATG 1564
QY 1144 -----TGTACTGATCTCAGCTTCCAGCGGTGTGATTTATGAGCTGCAGATTAAGGT 1198
Db 1565 CTGCGCTCTCTGAAATCCACGCGGCTATCTGCGTTTATGGGCTGGGACATTAAT 1624
QY 1199 GGCTTATCAAGATGAGACATGTTGTTGCTTAATAAATTTGATTTCAAGCTGAGCCCTATCT 1258
Db 1625 GGATGCTTCAAAACCATCACTCTGTGGCCACACAGTTTGACCCAAAGGTAGATGATAATG 1684
QY 1259 TGATTAATCTTGGCGAAGAAAGCT 1283
Db 1685 CTCTTCAGTCTTAGAAGATACT 1709

RESULT 13

US-10-106-698-1555
; Sequence 1555, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 1555
; LENGTH: 2236
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (2215)..(2215)
; OTHER INFORMATION: n equals a.t.g, or c
; NAME/KEY: misc feature
; LOCATION: (2223)..(2223)
; OTHER INFORMATION: n equals a.t.g, or c
US-10-106-698-1555

Query Match 14.1%; Score 191.8; DB 15; Length 2236;
Best Local Similarity 52.5%; Pred. No. 7.7e-44;
Matches 517; Conservative 0; Mismatches 432; Indels 36; Gaps 3;
QY 317 TGACCACTGATTTGACATTTATCAGACTCTAAGAGGTTATGCTCAAAAGCTTTGCTCAA 376
Db 750 TCACCAAGACTGTGAGCACTTCAAGGCTGAAAGGAAGTTATACAGTTCCCACTGAGCA 809
QY 377 AGGAGGAAAGCTTCCCATAGCTATCTTGGTTGTCACAAAGATGCAATTATGG 436
Db 810 AAGAAAGGTTGGATGCTTCCCTATTTGCTATCTCTGTTGATTCATGAGAAGATTGAAACT 869
QY 437 TTGAAAGGCTTATCCATGCTATATACAAACAGCAGCAAAATTTTACTGCTATCCATTATGATC 496
Db 870 TTGAAAGGCTTACTGCGAGCTGTGTATGCGCCCTCAGAACATATCTGTGCTCATTTGGATG 929

QY 497 GTAGGCACTGATACCTTCAAAGTTCCATGAACAAATTTAGTAACTGCTTCTCCAATA 556
Db 930 AGAAGTCCCGAAGAACTTTCAAAGAGGCGGTCAAAGCAAATTTATTTCTGTTCCCAATG 989
QY 557 TTTTCAATTCCTTCAAATTTAGAGGCTGTGGAATATGCCACATTTCCAGACTCCAGGCTG 616
Db 990 TCTTCAATAGCCAGTAACTGCTTGGGTGTTTATGCTCTCTGTCAGGGTGCAGCTG 1049
QY 617 ATTTAAATTCCTTGGGACCTTCTGAAAGTCTTCAATCCAGTGGAAATATGTTATCAACT 676
Db 1050 ACCTCAACTGCTAGGAACTTGTCTCCAGAGCTCAGTGCCTGTGAAATATCTTCTGAATA 1109
QY 677 TGTGTGGGCAAGATTTTCCCTGAAGTCAAAATTTGAAATTTGTTGTCAGAGTCAAAAAC 736
Db 1110 CAGTGGGACGCACTTCTTAATAAGAGCAATGAGAGATGTTCCAGGCTCTCAGATGT 1169
QY 737 TCAATGGAGCAAAATATGTTGGAGCGGTGAACCCCAACAGTAAATTTGGAAGATTCA 796
Db 1170 TGAATGGGAGGAATAGCATGGAGTCAGAGGTACCTCTTAAGCACAAAGAAACCCGCTGA 1229
QY 797 CTTACCATCTGAACCTTAGACGGGTGCTTATGATATGTAAGCTTACCAATAAGGACAA 856
Db 1230 AATATCACTTTGAGGTAGTGAAGACACATTACAC-----CTAACCA 1271
QY 857 ACATCTCCAAGGAGACACCCCCCATTAACATTCAGATATTTTGTGGCAGTCTTATTTG 916
Db 1272 ACAAGAAGAGGATCTCTCCCTTATAATTTAACTATGTTTACAGGAATGCGTACATTG 1331
QY 917 TTTTAAAGTCAAGCAATTTGTTAAATATATTTTCAACACTCCCTGTTCAAGACTTTTGTG 976
Db 1332 TGGCTTCCGAGATTTGCTCCAACTGTTTGAAGAACCTTAATCCCACTGATTTG 1391
QY 977 CCGTGTCTAAAGACACATPACTCTCTCATGAGCAGCTTTTGGGCTACCTTGATTCGGGTTTC 1036
Db 1392 AATGGTAAAGACACTTATAGCCAGATGAACACCTCTGGGCCACCTTTCAGGCTGCAC 1451
QY 1037 CAGGAATACCTGGGAGATTTCCAGATCAGCCCGGATG---TGTCTGATCTCAGAGTA 1093
Db 1452 GGTGATGCTCTGGAATCCACCGCGGCTATCTGCGTTATGGGCTGGGAGCTTGAAT 1511
QY 1094 AGACTCGGCTTGTCAAAGTGAATTAATGATGAAGGCTTTTCTATCCAGT----- 1143
Db 1512 TTGCCAGGCTGTCAAGTGGCAGGCTCATGAGGAGACATGATAGGGTGTCTTATG 1571
QY 1144 -----TGTACTGGAATCTCACTTCCAGCGGTGTGTTATTTATGAGCTGCAGATTAAGGT 1198
Db 1572 CTCCCTGCTCTGGAATCCACCGCGGCTATCTGCGTTATGGGCTGGGAGCTTGAAT 1631
QY 1199 GGTATATCAAGATGAGCATTTGTTGCTAATAAATTTGATTTCTAAGGTGGACCTATCT 1258
Db 1632 GGAATGCTTCAAAACCATCACTCTGTTGCCAACAGTTTGGACCAAGGTAGATGATAATG 1691
QY 1259 TGATTAATGCTTGGCAGAAAGCT 1283
Db 1692 CTCTTCAGTCTTAGAAGATACT 1716

RESULT 14

US-09-874-390-1
; Sequence 1, Application US/09874390
; Patent No. US20020081656A1
; GENERAL INFORMATION:
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UDP-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta-1,3-N-Acetylglucosamine-alpha-R /
; TITLE OF INVENTION: N-Acetylglucosamine-beta-1,3-N-Acetylglucosamine-alpha
; TITLE OF INVENTION: a-R (GlcNAc to GalNAc)
; TITLE OF INVENTION: beta-1,6-N-Acetylglucosaminyltransferase, C2/4
; FILE REFERENCE: P199801704 MO JNY
; CURRENT APPLICATION NUMBER: US/09/874,390
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: DK PA 1998 01605
; PRIOR FILING DATE: 1998-12-04

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OM protein - protein search, using sw model

Run on: January 30, 2004, 12:49:55 ; Search time 21 Seconds
(without alignments)
912.706 Million cell updates/sec

Title: US-10-084-406-2
Perfect score: 2389
Sequence: 1 MXIFCYFKHTLQQRVFILP.....DWILPSEKLFMDENLTTTS 453

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/prodata/1/1aa/5A_COMB.pap: *
2: /cgn2_6/prodata/1/1aa/5B_COMB.pap: *
3: /cgn2_6/prodata/1/1aa/6A_COMB.pap: *
4: /cgn2_6/prodata/1/1aa/6B_COMB.pap: *
5: /cgn2_6/prodata/1/1aa/ECTUS_COMB.pap: *
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	868	36.3	438	3	US-09-233-506-2
2	863.5	36.1	428	1	US-07-955-041-4
3	863.5	36.1	428	1	US-08-227-455-4
4	863.5	36.1	428	1	US-08-474-482-4
5	863.5	36.1	428	1	US-08-487-069-4
6	863.5	36.1	428	3	US-09-233-506-3
7	711	29.8	400	1	US-08-118-906-14
8	711	29.8	400	1	US-08-486-135-14
9	711	29.8	400	1	US-08-488-135-14
10	711	29.8	400	2	US-08-474-085-14
11	711	29.8	400	3	US-09-233-506-4
12	383	16.0	126	1	US-08-118-906-4
13	383	16.0	126	1	US-08-486-135-4
14	383	16.0	126	2	US-08-488-135-4
15	383	16.0	126	2	US-08-474-065-4
16	355	14.9	126	1	US-08-118-906-2
17	355	14.9	126	1	US-08-486-135-2
18	355	14.9	126	1	US-08-488-135-2
19	355	14.9	126	2	US-08-474-065-2
20	172	7.2	64	3	US-09-233-506-10
21	126	5.3	33	1	US-08-118-906-6
22	126	5.3	33	1	US-08-486-135-6
23	126	5.3	33	1	US-08-488-135-6
24	126	5.3	33	2	US-08-474-085-6
25	119	5.0	316	1	US-08-597-236-12
26	119	5.0	316	1	US-08-748-682A-12
27	113.5	4.8	794	4	US-09-417-485D-8

28	113	4.7	695	4	US-09-134-001C-4341	Sequence 4341, Ap
29	106	4.4	33	1	US-08-118-906-8	Sequence 8, Appli
30	106	4.4	33	1	US-08-486-196-8	Sequence 8, Appli
31	106	4.4	33	1	US-08-488-135-8	Sequence 8, Appli
32	106	4.4	33	2	US-08-474-065-8	Sequence 8, Appli
33	102.5	4.3	433	4	US-09-345-236B-43	Sequence 43, Appl
34	102.5	4.3	652	1	US-08-471-570-10	Sequence 10, Appl
35	102.5	4.3	769	1	US-08-471-570-8	Sequence 8, Appli
36	102.5	4.3	821	2	US-08-451-822A-13	Sequence 13, Appl
37	102.5	4.3	821	4	US-08-323-430-13	Sequence 13, Appl
38	100.5	4.2	2184	4	US-09-417-485D-6	Sequence 6, Appli
39	100	4.2	439	3	US-09-457-046B-68	Sequence 68, Appl
40	97.5	4.1	310	2	US-08-701-191A-7	Sequence 7, Appli
41	97.5	4.1	853	4	US-08-913-880C-17	Sequence 17, Appl
42	97.5	4.1	858	4	US-08-913-880C-16	Sequence 16, Appl
43	97.5	4.1	860	4	US-08-913-880C-15	Sequence 15, Appl
44	97.5	4.1	862	4	US-08-913-880C-14	Sequence 14, Appl
45	97.5	4.1	865	4	US-08-913-880C-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-09-233-506-2
; Sequence 2, Application US/09233506
; Patent No. 6135580
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; TITLE OF INVENTION: A Beta-1-6-N-Acetylglucosaminyltransferase That Forms
; TITLE OF INVENTION: Core 2, Core 4 and I Branches
; FILE REFERENCE: P-LJ 3415
; CURRENT APPLICATION NUMBER: US/09/233,506
; CURRENT FILING DATE: 1993-01-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-233-506-2

Query Match	36.3%	Score	868	DB	3	Length	438
Best Local Similarity	43.0%	Pred. No.	1.8e-76				
Matches	182	Conservative	71	Mismatches	146	Indels	24
Gaps	9						
QY	23	LWLSLLKLLNV-----RLFPQKDIYLYEYSLTSPFVRN-RYTHVKDEVRYEVNCSG	75				
Db	13	LWALGCTYLLATVALKUSFLKCDSDHGLRESQSQYCRNLYNFKLPKAKRSINCSG	72				
QY	76	IY--EQEPL--EIGKSLRIRRDIIIDDDVVAMTSDCDIYQTLRGYAQKLVSKEEKF	131				
Db	73	VTRGDQEAIVLQAILNNLEVKKR-EPTDTHYLSLRDCEHFKAERKFIQFPLSKEEVF	131				
QY	132	PIAYSLVHKDAIMVERLIHAIYNOHNIYCIHVDKAPDTFKVAMNNAKACPSNFIASK	191				
Db	132	PIAYSMWIEKIEFELRAVAPQNIYCVHVDKSPETFEKAVKAIISCFFNFIASK	191				
QY	192	LEAVEYAHISLQADLKLCLDLSLKSSIQWYVNLGQDPPPLKSNFELSELKLGANN	251				
Db	192	LVRVYASWSEVQADLNCMEDLLQSSVPKYFLNTCGTDFPIKSNAEVQALKMLNGRNS	251				
QY	252	LETVPNSKLERTYTHHELRVPYEVVKLPITNTSKAPPHNIOIFVGSAYFVLSQAF	311				
Db	252	MESEVPPKHETRWKHYFEVVR---DTLHL---TNKKDPPPYNTLMTFTGNAYIVASDF	305				
QY	312	VKYLFNNSIVQDQFAWSKDTYSDEHFATLIRVPGIEI-SRSAQDVSQDLSQKTRLVK	370				
Db	306	VQHVLPKFKSOLLIEWKDYISDEHLWATLQARWMPGVSVPNHKPYDIDMTSTARLVK	365				
QY	371	WNYEGFF-----YPSCTGSHLSRVCVYGAELRWLIKDHWFANKFDKVDPIILKCLIA	425				

Db 366 WQHEGIDKAPYPCGIHQRAICVYGAGDLNWLQNHLLANKFDPKYDDNALQCLLE 425
QY 426 EKL 428
Db 426 EYL 428
RESULT 2
US-07-955-041-4
; Sequence 4, Application US/07955041
; Patent No. 5360733
; GENERAL INFORMATION:
; APPLICANT: FUKUDA, MINORU
; TITLE OF INVENTION: A NOVEL BETAL-6
; TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTTRANSFERASE, ITS ACCEPTOR MOLECULE,
; TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING
; TITLE OF INVENTION: ENZYMATIC ACTIVITY
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
; CITY: SAN DIEGO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/07/955,041
; APPLICATION NUMBER: 19921001
; FILING DATE: 19921001
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CAMPBELL, CATHRYN
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-9001
; TELEFAX: 619-535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-955-041-4
Query Match 36.1%; Score 863.5; DB 1; Length 428;
Best Local Similarity 43.1%; Pred. No. 4.9e-76;
Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
QY 28 LKLLNVRRLF--POKDIYLV-EYSLSTSPFVRNRYTHVDE---VRY-----EV 71
Db 1 MLRTLLRRRLFSYPTKYFWMVLVSLITFTSVLR---THQKPEFVSVRHLELAGENPSSDI 57
QY 72 NCSGIYEQPELIGK-----SLEIRRRDIIDLEDDVWMTSDCDIYQTLRGAQKLVS 125
Db 58 NCTKVQGDVNEIQVKLEILTVEKGP--RWTDDYINMTSDCSSPIKRYIVEPLS 115
QY 126 KEKSPFIAYSLVVKDAIMVERLIHAIYNOHNIYCHYDRKAPDPTFKVAMNNAKCFSN 185
Db 116 KEAEFFPIAYSIIVVHHKIEMDLRLAIRYMPQNFYCVHVDTKSEDSYLAAMVGIACFSN 175
QY 166 IFIASKLEAVYAHISRLQADNCLSLKSSIQWKVYNLCQDPPLKSNFELVSELK 245
Db 176 VFVARSLESVYASWSRVQADNCKDLYANSNWKYLNLCQDPFPIKTNLEIVRKUL 235
QY 246 LKGNMLETVPKPNKSLERFTYTHHELRRVPEYV--KLPIRTNISKEAPPNHQIFVSGA 303
Db 236 LMGENNLETMRPSKKEERM-----KKRYEVVNGU--TNTGTVMQLPPLTLPFSGSA 287

QY 304 YFVLSSAFKYIYNNSIVQDFPAMSKDTYSDEHFWATLIRVGPIGSEISQAQ-DVSDL 362
Db 288 YFVVSREYVGLQNEKIQKLMENWQAQDTYSDEYIWTATQRIPEVPGSLPASHKIDSDM 347
QY 363 QSKTRLVKWNYIEGFF-----YPSCTGSHLSRVCIIYGAELRWLIKQGHWFANKFDSKVD 417
Db 348 QAVARFVKQYFEGDVSKGAPYPCDGVHRSVCIFGAGDLNWLRLKHLFANKFDDVD 407
QY 418 PILIKCLAEKLEQ 431
Db 408 LFAIQCLDEHLRHK 421
RESULT 3
US-08-227-455-4
; Sequence 4, Application US/08227455
; Patent No. 5624832
; GENERAL INFORMATION:
; APPLICANT: FUKUDA, MINORU
; APPLICANT: BIERHUIZEN, MARTI FA
; TITLE OF INVENTION: A NOVEL BETAL-6
; TITLE OF INVENTION: N-ACETYLGLUCOSAMINYLTTRANSFERASE, ITS ACCEPTOR MOLECULE,
; TITLE OF INVENTION: LEUKOSIALIN AND A METHOD FOR CLONING PROTEINS HAVING
; TITLE OF INVENTION: ENZYMATIC ACTIVITY
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
; CITY: SAN DIEGO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/227,455
; APPLICATION NUMBER: 14-APR-1994
; FILING DATE: 14-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CAMPBELL, CATHRYN
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9957
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-9001
; TELEFAX: 619-535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-227-455-4
Query Match 36.1%; Score 863.5; DB 1; Length 428;
Best Local Similarity 43.1%; Pred. No. 4.9e-76;
Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
QY 28 LKLLNVRRLF--POKDIYLV-EYSLSTSPFVRNRYTHVDE---VRY-----EV 71
Db 1 MLRTLLRRRLFSYPTKYFWMVLVSLITFTSVLR---THQKPEFVSVRHLELAGENPSSDI 57
QY 72 NCSGIYEQPELIGK-----SLEIRRRDIIDLEDDVWMTSDCDIYQTLRGAQKLVS 125
Db 58 NCTKVQGDVNEIQVKLEILTVEKGP--RWTDDYINMTSDCSSPIKRYIVEPLS 115
QY 126 KEKSPFIAYSLVVKDAIMVERLIHAIYNOHNIYCHYDRKAPDPTFKVAMNNAKCFSN 185
Db 116 KEAEFFPIAYSIIVVHHKIEMDLRLAIRYMPQNFYCVHVDTKSEDSYLAAMVGIACFSN 175


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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-487-069-4

Query Match      36.1%; Score 863.5; DB 1; Length 428;
Best Local Similarity 43.1%; Pred. No. 4.9e-76;
Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;

QY 28 LKLLNVRRLF--PQKDIYLV-EYSLSTSPFFVNRVYTHVKB-----VRY-----EV 71
DB 1 MLRTLRRLRFSTPYKFMVLVSLITFSVLR---IHQKPEFVSVRHLELAGENPSSDI 57
QY 72 NCSGIYEQPLEIGK-----SLEIRRRDIIDLEDDVVAMTSDCDIYQTLRGYAQKLVS 125
DB 58 NCTKVLQGDVNEIQVKLEILTVKFKRP--RWTDDYINMTSDCSSFIKPKVIVEPLS 115
QY 126 KEKSPFIAYSLVHKDAIMVERLHAIYNOHNYCIHYDRKAPDTFKVAMNNLAKCFSN 185
DB 116 KEAEFFIAYSIIVVHHKIEMLDRLRAIYNPQFYCVHVDTKSEDSYLAAVMGIAFCFSN 175
QY 186 IFTASKLEAVEYAHISRLQADNCLSDLLKSSIQWKYVINLCQDPFLPKSNFELVSELKK 245
DB 176 VFVASRLSVVYASWSRVQADLNCMDLYAMSAWKYLINLCQMDFFIKTNLEIVRKLKL 235
QY 246 LNCANMLETVKPNKSLERFTYHHLRVPYEVY--KLPIRTNISKEAPPHNIQIFVGS 303
DB 236 LMGNNLETERPMSHKEERW-----KKRYEVVNGKL-TNTGTVMKLPPLPLEPLPFGSA 287
QY 304 YFVLSQAFVKYIFNNSIVODFFAWSKDITYSPDEHFWATLIRVPGIPGIESRSQAQ-DVSD 362
DB 288 YFVVSREYVGVVLQNEKIQKLEMAQDITYSPDEYLVWATIQRIPEVPSLPASHKYDLSDM 347
QY 363 QSKTRLVKNNYEGFF-----YPSCTGSHLSRVCIYGAEELRWLIKDGHWFANKPDSKVD 417
DB 348 QAVARFVKWQYFEGDVGSKGAPYPCDGVHRSVCIFGAGDLNMLRKHHLFANKFDVDVD 407
QY 418 PILIKCLAEKLEEQ 431
DB 408 LFAIQCLDEHLRHK 421

RESULT 6
US-09-233-506-3
; Sequence 3, Application US/09233506
; Patent No. 613580
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; TITLE OF INVENTION: A Beta-1-6-N-Acetylglucosaminyltransferase That Forms
; FILE REFERENCE: P-LJ 3415
; CURRENT APPLICATION NUMBER: US/09/233,506
; CURRENT FILING DATE: 1999-01-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 3
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-233-506-3

Query Match      36.1%; Score 863.5; DB 3; Length 428;
Best Local Similarity 43.1%; Pred. No. 4.9e-76;
Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;

QY 28 LKLLNVRRLF--PQKDIYLV-EYSLSTSPFFVNRVYTHVKB-----VRY-----EV 71
DB 1 MLRTLRRLRFSTPYKFMVLVSLITFSVLR---IHQKPEFVSVRHLELAGENPSSDI 57
QY 72 NCSGIYEQPLEIGK-----SLEIRRRDIIDLEDDVVAMTSDCDIYQTLRGYAQKLVS 125
DB 58 NCTKVLQGDVNEIQVKLEILTVKFKRP--RWTDDYINMTSDCSSFIKPKVIVEPLS 115
QY 126 KEKSPFIAYSLVHKDAIMVERLHAIYNOHNYCIHYDRKAPDTFKVAMNNLAKCFSN 185
DB 116 KEAEFFIAYSIIVVHHKIEMLDRLRAIYNPQFYCVHVDTKSEDSYLAAVMGIAFCFSN 175
QY 186 IFTASKLEAVEYAHISRLQADNCLSDLLKSSIQWKYVINLCQDPFLPKSNFELVSELKK 245
DB 176 VFVASRLSVVYASWSRVQADLNCMDLYAMSAWKYLINLCQMDFFIKTNLEIVRKLKL 235
QY 246 LNCANMLETVKPNKSLERFTYHHLRVPYEVY--KLPIRTNISKEAPPHNIQIFVGS 303
DB 236 LMGNNLETERPMSHKEERW-----KKRYEVVNGKL-TNTGTVMKLPPLPLEPLPFGSA 287
QY 304 YFVLSQAFVKYIFNNSIVODFFAWSKDITYSPDEHFWATLIRVPGIPGIESRSQAQ-DVSD 362
DB 288 YFVVSREYVGVVLQNEKIQKLEMAQDITYSPDEYLVWATIQRIPEVPSLPASHKYDLSDM 347
QY 363 QSKTRLVKNNYEGFF-----YPSCTGSHLSRVCIYGAEELRWLIKDGHWFANKPDSKVD 417
DB 348 QAVARFVKWQYFEGDVGSKGAPYPCDGVHRSVCIFGAGDLNMLRKHHLFANKFDVDVD 407
QY 418 PILIKCLAEKLEEQ 431
DB 408 LFAIQCLDEHLRHK 421

US-08-118-906-14
; Sequence 14, Application US/08118906
; Patent No. 5484590
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/118,906
; FILING DATE: 09-SEP-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-118-906-14

Query Match      29.8%; Score 711; DB 1; Length 400;
Best Local Similarity 43.7%; Pred. No. 3.8e-61;
Matches 143; Conservative 43; Mismatches 129; Indels 12; Gaps 5;

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DB 108 SDCDIYQTLRGYAQKLVSKEKSPFIAYSLVHKDAIMVERLHAIYNOHNYCIHYDRK 167
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Db 361 LFANKFELNTYPLTVECL--ELRHRER 385

RESULT 8

US-08-486-196-14
; Sequence 14, Application US/08486196
; Patent No. 5731420
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,196
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-196-14

Query Match 29.8%; Score 711; DB 1; Length 400;
Best Local Similarity 43.7%; Pred.No. 3.8e-61;
Matches 143; Conservative 43; Mismatches 129; Indels 12; Gaps 5;
QY 108 SDCDIYTLRGYAKLVSKSEKSFPLAYSLVHKDAIWMERLHAIYNQNIYCIHYDRK 167

Db 70 SSCKEYLTQSHYITAPLSKEADFPPLAYIMVTHHHFDTFARLFRAYMPQNIYCVHDEK 129
QY 168 APTPKVAMNNAKCSNFIASKLEAVEYAHISRLQADLNCILSDLLKSSIQWYVNL 227
Db 130 ATTEFKDAVEQLLSCFPNAPLASKMEPVYVGGISRLQADLNCIRDLSAFEVSWKYVINTC 189
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Db 307 GVFGSPNAS-----WTGNLRAIKWSMED-RHGGCHGHYVHGICVYNGDLKWLVSNS 360
QY 407 WFANKFSKVDPIILIKLAELKEEQOR 433
Db 361 LFANKFELNTYPLTVECL--ELRHRER 385

RESULT 9

US-08-488-135-14
; Sequence 14, Application US/08488135
; Patent No. 5766910
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,135
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-488-135-14

Query Match 29.8%; Score 711; DB 1; Length 400;
Best Local Similarity 43.7%; Pred.No. 3.8e-61;
Matches 143; Conservative 43; Mismatches 129; Indels 12; Gaps 5;

RESULT 12
US-08-118-906-4
; Sequence 4, Application US/08118906
; Patent No. 5484590
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 09-SEP-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 126 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-118-906-4
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Best Local Similarity 54.8%; Pred. No. 8.2e-30;
Matches 69; Conservative 23; Mismatches 34; Indels 0; Gaps 0;
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Db 1 YIVEPLSKKEAEFFIAYSIVVHHKIEMLDRLRLAIYMPQNFYCVHVDTKSEDSYLAAMVG 60
QY 179 LAKCFNFIATSKLEAVEVAHISRLQADLNCGLDLSKSSIQWKVYNLCQDPPLKSNFE 238
Db 61 IASCFNIVFASRLSVYASRSVQADLNCMDLYAMSNWKYLNLCGMDPPIKTNLE 120
QY 239 LVSELK 244
Db 121 IVRLK 126
RESULT 13
US-08-486-196-4
; Sequence 4, Application US/08486196
; Patent No. 5731420
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 09-SEP-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 126 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-196-4
Query Match 16.0%; Score 383; DB 1; Length 126;
Best Local Similarity 54.8%; Pred. No. 8.2e-30;
Matches 69; Conservative 23; Mismatches 34; Indels 0; Gaps 0;
QY 119 YAQKLVSKKEKSPFIAYSLVHVKDAIMVERLIHAIYNQNIYCIHYDRKAPDTFKVAMNN 178
Db 1 YIVEPLSKKEAEFFIAYSIVVHHKIEMLDRLRLAIYMPQNFYCVHVDTKSEDSYLAAMVG 60
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RESULT 14
US-08-488-135-4
; Sequence 4, Application US/08488135
; Patent No. 5766910
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25

; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 09-SEP-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/118,906
; FILING DATE: 09-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9526
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 126 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-486-196-4
Query Match 16.0%; Score 383; DB 1; Length 126;
Best Local Similarity 54.8%; Pred. No. 8.2e-30;
Matches 69; Conservative 23; Mismatches 34; Indels 0; Gaps 0;
QY 119 YAQKLVSKKEKSPFIAYSLVHVKDAIMVERLIHAIYNQNIYCIHYDRKAPDTFKVAMNN 178
Db 1 YIVEPLSKKEAEFFIAYSIVVHHKIEMLDRLRLAIYMPQNFYCVHVDTKSEDSYLAAMVG 60
QY 179 LAKCFNFIATSKLEAVEVAHISRLQADLNCGLDLSKSSIQWKVYNLCQDPPLKSNFE 238
Db 61 IASCFNIVFASRLSVYASRSVQADLNCMDLYAMSNWKYLNLCGMDPPIKTNLE 120
QY 239 LVSELK 244
Db 121 IVRLK 126
RESULT 14
US-08-488-135-4
; Sequence 4, Application US/08488135
; Patent No. 5766910
; GENERAL INFORMATION:
; APPLICANT: Fukuda, Minoru
; APPLICANT: Bierhuizen, Marti F.A.
; TITLE OF INVENTION: Expression of the Developmental I
; TITLE OF INVENTION: Antigen By a Cloned Human cDNA Encoding a Member of a
; TITLE OF INVENTION: Beta-1,6-N-Acetylglucosaminyltransferase Gene Family
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: Patent in Release #1.0, Version #1.25

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,135
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/118,906
FILING DATE: 09-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9526
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 126 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-488-135-4

Query Match 16.0%; Score 388
Best Local Similarity 54.8%; Pred. No.
Matches 69; Conservative 23; Mismat

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DB 1 YIVEPLSKEEAEFPFIAYSLVHVKIEMSL
QY 179 LAKCFSNIFASKLEAVEYAHISRLOADI
DB 61 IASCFSNVFPVSRLESVVYASWSRVQADI
QY 239 LVSEUK 244
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RESULT 15
US-08-474-065-4
Sequence 4, Application US/08474065
Patent No. 5830465
GENERAL INFORMATION:
APPLICANT: Fukuda, Minoru
TITLE OF INVENTION: Expression of the
TITLE OF INVENTION: Antigen By a Clo
TITLE OF INVENTION: Beta-1,6-N-Acety
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, V
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,065
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/118,906
FILING DATE: 09-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9526

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 126 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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US-08-474-065-4

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Best Local Similarity 54.8%; Pred. No. 8.2e-30;
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Job time : 22 secs

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OM protein - protein search, using sw model

Run on: January 30, 2004, 12:55:31 ; Search time 40 Seconds
(without alignments)
2353.608 Million cell updates/sec

Title: US-10-084-406-2

Perfect score: 2389
Sequence: 1 MKIFKCYFKHTLQOKVFLF.....DWITLPSEKLFMDRLNLTTS 453

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Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 789580

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

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Listing first 45 summaries

Database : Published Applications AA.*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1985.5	83.1	455	9	US-09-793-998-8
5	868	36.3	438	9	US-09-874-390-2
6	868	36.3	438	9	US-09-797-207-2
7	868	36.3	438	10	US-09-981-353-44
8	868	36.3	438	12	US-10-388-307-15
9	868	36.3	438	15	US-10-084-406-15
10	868	36.3	465	15	US-10-106-698-5832
11	868	36.3	663	9	US-09-797-207-4
12	868	36.2	465	9	US-09-925-297-796
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16	862	36.1	406	9	US-09-797-207-9	Sequence 9, Appli
17	856.5	35.9	437	9	US-09-797-207-20	Sequence 20, Appl
18	711	29.8	400	12	US-10-388-307-17	Sequence 17, Appl
19	711	29.8	400	15	US-10-084-406-17	Sequence 17, Appl
20	609	25.5	237	9	US-09-793-998-2	Sequence 2, Appli
21	362	15.2	120	12	US-10-029-386-30717	Sequence 30717, A
22	285	11.9	145	12	US-10-108-260A-4764	Sequence 4764, Ap
23	219.5	9.2	865	12	US-10-347-470A-16	Sequence 16, Appl
24	213.5	8.9	827	12	US-10-347-470A-16	Sequence 16, Appl
25	174	7.3	57	12	US-10-029-386-28898	Sequence 15, Appl
26	160	6.7	806	12	US-10-347-470A-15	Sequence 15, Appl
27	116	4.9	895	12	US-10-369-493-1036	Sequence 1036, Ap
28	113.5	4.8	794	12	US-10-304-095-8	Sequence 8, Appli
29	109	4.6	74	9	US-09-864-761-35468	Sequence 35468, A
30	108.5	4.5	661	10	US-09-801-368-422	Sequence 422, App
31	107	4.5	62	12	US-10-029-386-28620	Sequence 28620, A
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35	100.5	4.2	882	12	US-10-130-973A-3	Sequence 3, Appli
36	100.5	4.2	907	12	US-10-130-973A-5	Sequence 5, Appli
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39	100	4.2	439	10	US-09-866-570A-68	Sequence 68, Appl
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41	100	4.2	439	15	US-10-166-984-68	Sequence 68, Appl
42	98	4.1	407	15	US-10-169-048-30	Sequence 30, Appl
43	97.5	4.1	469	12	US-10-452-024-182	Sequence 182, App
44	97.5	4.1	573	12	US-10-452-024-177	Sequence 177, App
45	97.5	4.1	634	12	US-10-369-493-13867	Sequence 13867, A

ALIGNMENTS

RESULT 1
US-10-388-307-2
; Sequence 2, Application US/10388307
; Publication No. US20030180778A1
; GENERAL INFORMATION:
; APPLICANT: Clausen, Henik
; TITLE OF INVENTION: UPD-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglucosamine-alpha-R / (GLCNAC
; TITLE OF INVENTION: to GalNac) beta1,6-N-Acetylglucosamineyltransferase, C2GNT3
; FILE REFERENCE: 4503/IG031
; CURRENT APPLICATION NUMBER: US/10/388,307
; PRIOR FILING DATE: 2003-03-13
; PRIOR APPLICATION NUMBER: US/09/645,192
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/150,488
; PRIOR FILING DATE: 1999-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
US-10-388-307-2
Query Match 100.0%; Score 2389; DB 12; Length 453;
Best Local Similarity 100.0%; Pred. No. 3.9e-219;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MKIFKCYFKHTLQOKVFLF.....DWITLPSEKLFMDRLNLTTSPPFVRNY 60
DB 1 MKIFKCYFKHTLQOKVFLF.....DWITLPSEKLFMDRLNLTTSPPFVRNY 60
QY 61 THVKDEVRYVNCSGIYEQPLRIGKSLRIRRDIIIDLEDDDDVAMTSCDIYQTLRGYA 120
DB 61 THVKDEVRYVNCSGIYEQPLRIGKSLRIRRDIIIDLEDDDDVAMTSCDIYQTLRGYA 120
QY 121 QKLVSKEKSPFIAYSLVVKDAMVRLIHAYNQHNICYIHDRKAPDTFKVANNLA 180

Db 121 QKLVSKKEKSPPIAYSLVVKDAIMVERLIHAIYNQHNIIYCHYDRKAPDTFKVAMNLA 180
Qy 181 KCFSNIFIASKLEAVEYAHISRLQADNCLSLKSSIQWKVYNLCQDPPKSNFELV 240
Db 181 KCFSNIFIASKLEAVEYAHISRLQADNCLSLKSSIQWKVYNLCQDPPKSNFELV 240
Qy 241 SELKKGANMLETVPKPNKLERFTYHHLRRVYEVYKLPRTNISKAPPHNIQIFV 300
Db 241 SELKKGANMLETVPKPNKLERFTYHHLRRVYEVYKLPRTNISKAPPHNIQIFV 300
Qy 301 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 360
Db 301 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 360
Qy 361 DLOSKTRLVKWNYEGFFPSPCTGSHLSRVCIYGAELRWLIKQGHFWANKFDSKVDPI 420
Db 361 DLOSKTRLVKWNYEGFFPSPCTGSHLSRVCIYGAELRWLIKQGHFWANKFDSKVDPI 420
Qy 421 IKCLAEKLEEQORDWITLPSKLFMDRLNTTTS 453
Db 421 IKCLAEKLEEQORDWITLPSKLFMDRLNTTTS 453

RESULT 2
US-10-084-406-2
; Sequence 2, Application US/10084406
; Publication No. US20030054525A1
; GENERAL INFORMATION:
; APPLICANT: Schwiendek, Tilo
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UPD-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglucosamine-alpha-R / (GlcNAc
; TITLE OF INVENTION: to GalNAc) beta1,6-N-Acetylglucosamineyltransferase, C2Gnt3
; FILE REFERENCE: 4503/1G031
; CURRENT APPLICATION NUMBER: US/10/084, 406
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 09/645,192
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
; US-10-084-406-2

Query Match 100.0%; Score 2389; DB 15; Length 453;
Best Local Similarity 100.0%; Pred. No. 3.9e-219;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKIFKCYFKHTLOOKVFILFTLWLLSLKLNVRLLFPQKDIYLYVEYSLSTSPFVRNRY 60
Db 1 MKIFKCYFKHTLOOKVFILFTLWLLSLKLNVRLLFPQKDIYLYVEYSLSTSPFVRNRY 60
Qy 61 THVKDEVRYVNCSGIYEQEPLEIGKSLRIRDDIILEDVDDVWMTSDCDIYQTLRGYA 120
Db 61 THVKDEVRYVNCSGIYEQEPLEIGKSLRIRDDIILEDVDDVWMTSDCDIYQTLRGYA 120
Qy 121 QKLVSKKEKSPPIAYSLVVKDAIMVERLIHAIYNQHNIIYCHYDRKAPDTFKVAMNLA 180
Db 121 QKLVSKKEKSPPIAYSLVVKDAIMVERLIHAIYNQHNIIYCHYDRKAPDTFKVAMNLA 180
Qy 181 KCFSNIFIASKLEAVEYAHISRLQADNCLSLKSSIQWKVYNLCQDPPKSNFELV 240
Db 181 KCFSNIFIASKLEAVEYAHISRLQADNCLSLKSSIQWKVYNLCQDPPKSNFELV 240
Qy 241 SELKKGANMLETVPKPNKLERFTYHHLRRVYEVYKLPRTNISKAPPHNIQIFV 300
Db 241 SELKKGANMLETVPKPNKLERFTYHHLRRVYEVYKLPRTNISKAPPHNIQIFV 300
Qy 301 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 360
Db 301 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 360

Db 301 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 360
Qy 361 DLOSKTRLVKWNYEGFFPSPCTGSHLSRVCIYGAELRWLIKQGHFWANKFDSKVDPI 420
Db 361 DLOSKTRLVKWNYEGFFPSPCTGSHLSRVCIYGAELRWLIKQGHFWANKFDSKVDPI 420
Qy 421 IKCLAEKLEEQORDWITLPSKLFMDRLNTTTS 453
Db 421 IKCLAEKLEEQORDWITLPSKLFMDRLNTTTS 453

RESULT 3
US-09-793-998-11
; Sequence 11, Application US/09793998
; Patent No. US20020045202A1
; GENERAL INFORMATION:
; APPLICANT: KORCZAK, BOZENA
; APPLICANT: LEW, APRIL
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1,6-N-ACETYLGLYCOSAMINYLTRANSFERASE
; TITLE OF INVENTION: GENE
; FILE REFERENCE: GLYCO-16
; CURRENT APPLICATION NUMBER: US/09/793,998
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/185,702
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 1104
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-793-998-11

Query Match 100.0%; Score 2389; DB 9; Length 1104;
Best Local Similarity 100.0%; Pred. No. 1.5e-218;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKIFKCYFKHTLOOKVFILFTLWLLSLKLNVRLLFPQKDIYLYVEYSLSTSPFVRNRY 60
Db 273 MKIFKCYFKHTLOOKVFILFTLWLLSLKLNVRLLFPQKDIYLYVEYSLSTSPFVRNRY 332
Qy 61 THVKDEVRYVNCSGIYEQEPLEIGKSLRIRDDIILEDVDDVWMTSDCDIYQTLRGYA 120
Db 333 THVKDEVRYVNCSGIYEQEPLEIGKSLRIRDDIILEDVDDVWMTSDCDIYQTLRGYA 392
Qy 121 QKLVSKKEKSPPIAYSLVVKDAIMVERLIHAIYNQHNIIYCHYDRKAPDTFKVAMNLA 180
Db 393 QKLVSKKEKSPPIAYSLVVKDAIMVERLIHAIYNQHNIIYCHYDRKAPDTFKVAMNLA 452
Qy 181 KCFSNIFIASKLEAVEYAHISRLQADNCLSLKSSIQWKVYNLCQDPPKSNFELV 240
Db 453 KCFSNIFIASKLEAVEYAHISRLQADNCLSLKSSIQWKVYNLCQDPPKSNFELV 512
Qy 241 SELKKGANMLETVPKPNKLERFTYHHLRRVYEVYKLPRTNISKAPPHNIQIFV 300
Db 513 SELKKGANMLETVPKPNKLERFTYHHLRRVYEVYKLPRTNISKAPPHNIQIFV 572
Qy 301 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 360
Db 573 GSAYFVLSQAFVKYIFNNSIVQDFPFWSKDTYSPDEHFWATLIRVPGIPGIBSRSAQDVS 632
Qy 361 DLOSKTRLVKWNYEGFFPSPCTGSHLSRVCIYGAELRWLIKQGHFWANKFDSKVDPI 420
Db 633 DLOSKTRLVKWNYEGFFPSPCTGSHLSRVCIYGAELRWLIKQGHFWANKFDSKVDPI 692
Qy 421 IKCLAEKLEEQORDWITLPSKLFMDRLNTTTS 453
Db 693 IKCLAEKLEEQORDWITLPSKLFMDRLNTTTS 725

RESULT 4
US-09-793-998-8
; Sequence 8, Application US/09793998

QY 23 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 DB 13 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 QY 13 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 DB 13 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 QY 76 IY--EQEPL--EIGKSLERRRDIIDLEDDVVVMTSDCDIYQTLRGYAQKLVSKKEKSP 131
 DB 73 VTRGDQEAVALQALNNLEVKKKR-EPTDTHYLSLTRDCEHFAKERTIQPPLSKKEVEF 131
 QY 132 PIAYSLVHKDAIWMERLIIHAIYQNHNIYCIHVYKAPDTFKVAMNNLAKCFNFIASK 191
 DB 132 PIAYSMVIEKIEFRELLEAVAPQNIYCVHVDKSPETFEAKVKAISCFPNVFIASK 191
 QY 192 LEAVEYAHISRLQADNCLSLDKSSIQWKYINLCGQDFPLKSNFELVSELKKGANM 251
 DB 192 LVRVYASWSRVQADNCLSLDKSSIQWKYINLCGQDFPLKSNFELVSELKKGANM 251
 QY 252 LETVKPPNSKLERFTYHHELRVPEYVYKLPRTNISKAPPHNIQIFVGSAYFVLVSOAF 311
 DB 252 MESEVPPKHETRWKHYFEVVR---DTLHL---TNKKKOPPPYNTMTGNAYIVASRDF 305
 QY 312 VKYIFNNSIVQDFPFAWSKDTYSPDEHFWATLIRVPGIPGEI-SRSAQDVSDLOSKTRLVK 370
 DB 306 VQHVLEKNPKSQQLIEWVKDTYSPDEHLWATLQARWMPGSPVNPHPKYDISDMTSIARLVK 365
 QY 371 WNYVEGFF-----YPSCTGSHLRVSCIYGAELRWLIKDGHWFAKFKDSKYDPIILKCLA 425
 DB 366 WQHGEGDIDKGAPYAPCSGIHQRAICVYGAGDLNWLQNHLLANKFDPKVDNALQCLE 425
 QY 426 EKL 428
 DB 426 EYL 428

RESULT 7

US-09-981-353-44
 ; Sequence 44, Application US/09981353
 ; Patent No. US20020160382A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Laesk, Amy W.
 ; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 ; FILE REFERENCE: PA-0038 US
 ; CURRENT APPLICATION NUMBER: US/09/981,353
 ; CURRENT FILING DATE: 2001-10-11
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 44
 ; LENGTH: 438
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20020160382A1 2921009CD1
 US-09-981-353-44

Query Match 36.3%; Score 868; DB 10; Length 438;
 Best Local Similarity 43.0%; Pred. No. 5.2e-74;
 Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;

QY 23 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 DB 13 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 QY 76 IY--EQEPL--EIGKSLERRRDIIDLEDDVVVMTSDCDIYQTLRGYAQKLVSKKEKSP 131
 DB 73 VTRGDQEAVALQALNNLEVKKKR-EPTDTHYLSLTRDCEHFAKERTIQPPLSKKEVEF 131
 QY 132 PIAYSLVHKDAIWMERLIIHAIYQNHNIYCIHVYKAPDTFKVAMNNLAKCFNFIASK 191
 DB 132 PIAYSMVIEKIEFRELLEAVAPQNIYCVHVDKSPETFEAKVKAISCFPNVFIASK 191
 QY 192 LEAVEYAHISRLQADNCLSLDKSSIQWKYINLCGQDFPLKSNFELVSELKKGANM 251

DB 192 LVRVYASWSRVQADNCLSLDKSSIQWKYINLCGQDFPLKSNFELVSELKKGANM 251
 QY 252 LETVKPPNSKLERFTYHHELRVPEYVYKLPRTNISKAPPHNIQIFVGSAYFVLVSOAF 311
 DB 252 MESEVPPKHETRWKHYFEVVR---DTLHL---TNKKKOPPPYNTMTGNAYIVASRDF 305
 QY 312 VKYIFNNSIVQDFPFAWSKDTYSPDEHFWATLIRVPGIPGEI-SRSAQDVSDLOSKTRLVK 370
 DB 306 VQHVLEKNPKSQQLIEWVKDTYSPDEHLWATLQARWMPGSPVNPHPKYDISDMTSIARLVK 365
 QY 371 WNYVEGFF-----YPSCTGSHLRVSCIYGAELRWLIKDGHWFAKFKDSKYDPIILKCLA 425
 DB 366 WQHGEGDIDKGAPYAPCSGIHQRAICVYGAGDLNWLQNHLLANKFDPKVDNALQCLE 425
 QY 426 EKL 428
 DB 426 EYL 428

RESULT 8

US-10-388-307-15
 ; Sequence 15, Application US/10388307
 ; Publication No. US20030180778A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Clausen, Henrik
 ; TITLE OF INVENTION: UPD-N-Acetylglucosamine
 ; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglactosamine-alpha-R / (GlcNAc
 ; TITLE OF INVENTION: to galnac) beta1,6-N-Acetylglucosamineyltransferase, C2GnT3
 ; FILE REFERENCE: 4503/IG031
 ; CURRENT APPLICATION NUMBER: US/10/388,307
 ; CURRENT FILING DATE: 2003-03-13
 ; PRIOR FILING DATE: US/09/645,192
 ; PRIOR FILING DATE: 2000-08-24
 ; PRIOR APPLICATION NUMBER: US 60/150,488
 ; PRIOR FILING DATE: 1999-08-24
 ; NUMBER OF SEQ ID NOS: 17
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 15
 ; LENGTH: 438
 ; TYPE: PRT
 ; ORGANISM: Human
 US-10-388-307-15

Query Match 36.3%; Score 868; DB 12; Length 438;
 Best Local Similarity 43.0%; Pred. No. 5.2e-74;
 Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;

QY 23 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 DB 13 LMLSLKLLNV-----RRLFPQKDIYLVESLSTSPFVRN-RYTHVKDEVRYEVCNSG 75
 QY 76 IY--EQEPL--EIGKSLERRRDIIDLEDDVVVMTSDCDIYQTLRGYAQKLVSKKEKSP 131
 DB 73 VTRGDQEAVALQALNNLEVKKKR-EPTDTHYLSLTRDCEHFAKERTIQPPLSKKEVEF 131
 QY 132 PIAYSLVHKDAIWMERLIIHAIYQNHNIYCIHVYKAPDTFKVAMNNLAKCFNFIASK 191
 DB 132 PIAYSMVIEKIEFRELLEAVAPQNIYCVHVDKSPETFEAKVKAISCFPNVFIASK 191
 QY 192 LEAVEYAHISRLQADNCLSLDKSSIQWKYINLCGQDFPLKSNFELVSELKKGANM 251
 DB 192 LVRVYASWSRVQADNCLSLDKSSIQWKYINLCGQDFPLKSNFELVSELKKGANM 251
 QY 252 LETVKPPNSKLERFTYHHELRVPEYVYKLPRTNISKAPPHNIQIFVGSAYFVLVSOAF 311
 DB 252 MESEVPPKHETRWKHYFEVVR---DTLHL---TNKKKOPPPYNTMTGNAYIVASRDF 305
 QY 312 VKYIFNNSIVQDFPFAWSKDTYSPDEHFWATLIRVPGIPGEI-SRSAQDVSDLOSKTRLVK 370
 DB 306 VQHVLEKNPKSQQLIEWVKDTYSPDEHLWATLQARWMPGSPVNPHPKYDISDMTSIARLVK 365

371 WNYEGFF-----YPSCTGSHLRSVCYGAELRWLKDGHWPANKFDSKVDPIILKCLA 425
Db 366 WQHGSDIDKGAPYAPCSGIHORAICVYGAGDLNWLQNHLLANKFDPKVDNALQCLE 425
QY 426 EKL 428
Db 426 EYL 428

RESULT 9
US-10-084-406-15
; Sequence 15, Application US/10084406
; Publication No. US20030054525A1
; GENERAL INFORMATION:
; APPLICANT: Schwiientek, Tilo
; TITLE OF INVENTION: UPD-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylglucosamine-alpha-R / (GlcNAc
; TITLE OF INVENTION: to GalNAc) beta1,6-N-Acetylglucosamineyltransferase, C2GnT3
; FILE REFERENCE: 4503/1G031
; CURRENT APPLICATION NUMBER: US/10/084,406
; PRIOR FILING DATE: 2002-02-25
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 15
; LENGTH: 438
; TYPE: PRT
; ORGANISM: Human
US-10-084-406-15

Query Match 36.3%; Score 868; DB 15; Length 438;
Best Local Similarity 43.0%; Pred. No. 5.2e-74;
Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;

QY 23 LWLSLLKLLNV-----RRLFPQKDIYLVYSLSSTSPFVN-RYTHVKDEVRYVNCSG 75
Db 13 LWALGCMYLLATVALKLFRLKCDSDHGLGLESRSOSQYCRNLYNFKLPKRSINCSG 72
QY 76 IY--EQEPL--EIGKSLRIRRDIDLEDDVVAMTSDCDIYQTLRGYAQKLVSKKEKSP 131
Db 73 VTRGDQEAVALQAILNNLEVKKR--EPFTDTHYLSLTRDCEHFKAERKFIQFPLSKKEVEF 131
QY 132 PIAYSLVHKDAIMVERLHAIYNQNNIYCHYDRKADPTFKVAMNNAKCFNFIASK 191
Db 132 PIAYSMVTHEKIENFERLLRAYAPQNIYCVHDEKSPETFEAKVAIKIISCFPNVFIASK 191
QY 192 LEAVEYAHISRLQADNLCLSDLLKSSIQWKYVINLGCQDPFLKSNFELVSELKKGANM 251
Db 192 LVVVYASRSRVQADLNCMEDLLQSSVPWKYFLNTCGTDFPIKSNAEWQALXWLNGRNS 251
QY 252 LETVKKPNSKLERFTHYHRLRPVEYVKLPRTNISKAPPHNIQIFVGSAYFVLSQAF 311
Db 252 MESEVPKPKETRWKHYFEVVR---DTLHL---TNKKQDPPPYNLTFMFTGNAYIVASRDF 305
QY 312 VKYIFNNSIVQDFPFAWSKDTYSPEDEHFWATLIRVPGIGBI-SRSAQDVSDLOSCTRLVK 370
Db 306 VQHVLYKPKSQQLIEWKDTYSPEDEHFWATLIRVPGIGBI-SRSAQDVSDLOSCTRLVK 365
QY 371 WNYEGFF-----YPSCTGSHLRSVCYGAELRWLKDGHWPANKFDSKVDPIILKCLA 425
Db 366 WQHGSDIDKGAPYAPCSGIHORAICVYGAGDLNWLQNHLLANKFDPKVDNALQCLE 425
QY 426 EKL 428
Db 426 EYL 428

RESULT 10
US-10-106-698-5832
; Sequence 5832, Application US/10106698
; Publication No. US20030109690A1

GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptid
; FILE REFERENCE: PA00591
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 5832
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-5832

Query Match 36.3%; Score 868; DB 15; Length 465;
Best Local Similarity 43.0%; Pred. No. 5.7e-74;
Matches 182; Conservative 71; Mismatches 146; Indels 24; Gaps 9;

QY 23 LWLSLLKLLNV-----RRLFPQKDIYLVYSLSSTSPFVN-RYTHVKDEVRYVNCSG 75
Db 40 LWALGCMYLLATVALKLFRLKCDSDHGLGLESRSOSQYCRNLYNFKLPKRSINCSG 99
QY 76 IY--EQEPL--EIGKSLRIRRDIDLEDDVVAMTSDCDIYQTLRGYAQKLVSKKEKSP 131
Db 100 VTRGDQEAVALQAILNNLEVKKR--EPFTDTHYLSLTRDCEHFKAERKFIQFPLSKKEVEF 158
QY 132 PIAYSLVHKDAIMVERLHAIYNQNNIYCHYDRKADPTFKVAMNNAKCFNFIASK 191
Db 159 PIAYSMVTHEKIENFERLLRAYAPQNIYCVHDEKSPETFEAKVAIKIISCFPNVFIASK 218
QY 192 LEAVEYAHISRLQADNLCLSDLLKSSIQWKYVINLGCQDPFLKSNFELVSELKKGANM 251
Db 219 LVVVYASRSRVQADLNCMEDLLQSSVPWKYFLNTCGTDFPIKSNAEWQALXWLNGRNS 278
QY 252 LETVKKPNSKLERFTHYHRLRPVEYVKLPRTNISKAPPHNIQIFVGSAYFVLSQAF 311
Db 279 MESEVPKPKETRWKHYFEVVR---DTLHL---TNKKQDPPPYNLTFMFTGNAYIVASRDF 332
QY 312 VKYIFNNSIVQDFPFAWSKDTYSPEDEHFWATLIRVPGIGBI-SRSAQDVSDLOSCTRLVK 370
Db 333 VQHVLYKPKSQQLIEWKDTYSPEDEHFWATLIRVPGIGBI-SRSAQDVSDLOSCTRLVK 392
QY 371 WNYEGFF-----YPSCTGSHLRSVCYGAELRWLKDGHWPANKFDSKVDPIILKCLA 425
Db 393 WQHGSDIDKGAPYAPCSGIHORAICVYGAGDLNWLQNHLLANKFDPKVDNALQCLE 452
QY 426 EKL 428
Db 453 EYL 455

RESULT 11
US-09-797-207-4
; Sequence 4, Application US/09797207
; Patent No. US20020098563A1
; GENERAL INFORMATION:
; APPLICANT: KORCZAK, BOZENA
; TITLE OF INVENTION: NOVEL CORE 2 BETA-1, 6-N-ACETYLGLYCOSAMINYLTRANSFERASE
; FILE REFERENCE: GLYCO-7P1
; CURRENT APPLICATION NUMBER: US/09/797,207
; CURRENT FILING DATE: 2001-03-02
; EARLIER APPLICATION NUMBER: 09/495,913
; EARLIER FILING DATE: 2000-02-02
; EARLIER APPLICATION NUMBER: 60/118,674
; EARLIER FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 20


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Db 116 KEEAFPPAYSVVHKKIEMDLRLAIRYMPQNYCVHVDTKSDSYLAAMVGIASCFSN 175
QY 186 IFIASKLEAVEYAHISRLQADINCLSDLLKSSIQWKVYINLCGQDFPLKKNFELVSELKK 245
Db 176 VFVASLESVVYASRSVQADLNCMKDLYANSANKYLINLCGMDFFIKTNLEIVRKLK 235
QY 246 LKLANMLETVPKPNKLERFTYHHLRVPYEVY--KLPIRTNISKEAPPNNIQIFVGS 303
Db 236 LMGNNLETERMPHSHKEERW-----KKRYEVVNGKL--TNTGTVMPLPLETFLFSGS 287
QY 304 YFVLSQAFVKYIFNNSIVQDFPFWKSDTYSDEHFWATLIRVPGIPGEISRSQAQ-DVSD 362
Db 288 YFVVSREYVGYVLQNEKIQKLEMAQDTYSPDEYLMATIQRIPEVPGSLPASHKYDLS 347
QY 363 QSKTRLVKNWYIEGFF-----YPSCTGSHLSVCYIGAAELRWLIKDGHWFAKPFDSK 417
Db 348 QAVARFVKWQYFEGDVSKGAPYPCDGVHVRVSVICIFGAGDLNMLRKHLLFANKFDV 407
QY 418 PILIKLAEKLEEQ 431
Db 408 LFAIQCLDEHLRHK 421
RESULT 14
US-10-388-307-13
; Sequence 13, Application US/10388307
; Publication No. US20030180778A1
; GENERAL INFORMATION:
; APPLICANT: Schwientek, Tilo
; APPLICANT: Clausen, Henrik
; TITLE OF INVENTION: UPD-N-Acetylglucosamine:
; TITLE OF INVENTION: Galactose-beta1,3-N-Acetylgalactosamine-alpha-R / (GlcNAC
; TITLE OF INVENTION: to GalNac) beta1,6-N-Acetylglucosamineyltransferase, C2Gnt3
; FILE REFERENCE: 4503/1G031
; CURRENT APPLICATION NUMBER: US/10/388,307
; PRIOR FILING DATE: 2003-03-13
; PRIOR FILING DATE: 2000-08-24
; PRIOR FILING DATE: 1999-08-24
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 428
; TYPE: PRT
; ORGANISM: Human
US-10-388-307-13
Query Match 36.1%; Score 863.5; DB 12; Length 428;
Best Local Similarity 43.1%; Pred. No. 1.3e-73;
Matches 187; Conservative 72; Mismatches 132; Indels 43; Gaps 12;
QY 28 LKLLNVRRLF--PQKDIYLV-EYSLSSTPFVNRNRYTHVKDE---VRY-----EV 71
Db 1 MLRTLLRRLLFSYPTKYFVWLVLTLITFVLR---IHQPEFVSVRHLELAGENPSSDI 57
QY 72 NCSGIYEQPLEIGK-----SLEIRRDIDLEDDVWVMTSCDIYQTLRGVAKLV 125
Db 58 NCTKVLQGDVNEIQVKLEILTVKFKRP--RWTDDYINMTSDCSSFIKRRKYIVEPL 115
QY 126 KEEKSPPIAYSLVVKDAIMVERLHAIYNOHNIYCHYDRKAPDTFKVAMNKLKCF 185
Db 116 KEEAFPIAYSVVHKKIEMDLRLAIRYMPQNYCVHVDTKSDSYLAAMVGIASCFSN 175
QY 186 IFIASKLEAVEYAHISRLQADINCLSDLLKSSIQWKVYINLCGQDFPLKKNFELVSEL 245
Db 176 VFVASLESVVYASRSVQADLNCMKDLYANSANKYLINLCGMDFFIKTNLEIVRKL 235
QY 246 LKLANMLETVPKPNKLERFTYHHLRVPYEVY--KLPIRTNISKEAPPNNIQIFVGS 303
Db 236 LMGNNLETERMPHSHKEERW-----KKRYEVVNGKL--TNTGTVMPLPLETFLFSGS 287
QY 304 YFVLSQAFVKYIFNNSIVQDFPFWKSDTYSDEHFWATLIRVPGIPGEISRSQAQ-DVSD 362
Db 288 YFVVSREYVGYVLQNEKIQKLEMAQDTYSPDEYLMATIQRIPEVPGSLPASHKYDLS 347
QY 363 QSKTRLVKNWYIEGFF-----YPSCTGSHLSVCYIGAAELRWLIKDGHWFAKPFDSK 417
Db 348 QAVARFVKWQYFEGDVSKGAPYPCDGVHVRVSVICIFGAGDLNMLRKHLLFANKFDV 407
QY 418 PILIKLAEKLEEQ 431
Db 408 LFAIQCLDEHLRHK 421
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[illegible]